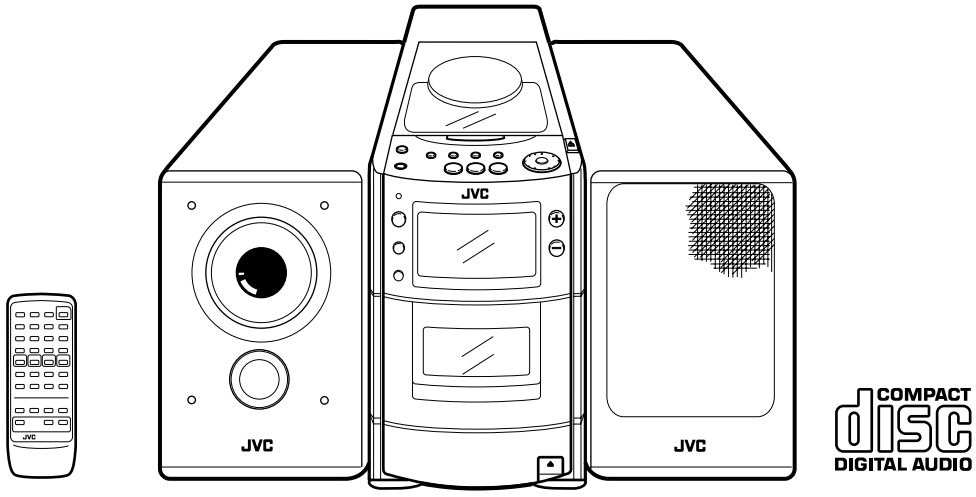
JVC

SERVICE MANUAL

MICRO COMPONENT SYSTEM

UX-T550



Area Suffix

B ---------- U.K.
E ---------- Continental Europe
EN ---------- Northern Europe
EV ---------- Eastern Europe
EE --------- Russian Federation

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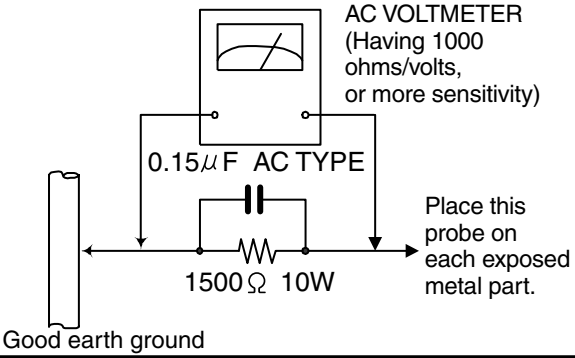
Jan. 2001

Safety Precautions

1. This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer`s warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage currnet check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet , particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.)
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to eachexposed metal part, particularly any exposed metal part having a return path to the chassis, and meausre the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. voltage measured Any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

Safety precautions (U.K only)

1. This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits.
2. Any unauthorised design alterations or additions will void the manufacturer's guarantee ; furthermore the manufacturer cannot accept responsibility for personal injury or property damage resulting therefrom.
3. Essential safety critical components are identified by (⚠) on the Parts List and by shading on the schematics, and must never be replaced by parts other than those listed in the manual. Please note however that many electrical and mechanical parts in the product have special safety related characteristics. These characteristics are often not evident from visual inspection. Parts other than specified by the manufacturer may not have the same safety characteristics as the recommended replacement parts shown in the Parts List of the Service Manual and may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

Warning

1. Service should be performed by qualified personnel only.
2. This equipment has been designed and manufactured to meet international safety standards.
3. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
4. Repairs must be made in accordance with the relevant safety standards.
5. It is essential that safety critical components are replaced by approved parts.
6. If mains voltage selector is provided, check setting for local voltage.

⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

Important for Laser Products

1.CLASS 1 LASER PRODUCT

2.DANGER : Invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

3.CAUTION : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.

4.CAUTION : The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the drawer is open and the safety interlocks have failed or are de feated. It is dangerous to defeat the safety switches.

5.CAUTION : If safety switches malfunction, the laser is able to function.

6.CAUTION : Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

⚠ ***CAUTION*** **Please use enough caution not to see the beam directly or touch it in case of an adjustment or operation check.**

VARNING : Osynlig laserstrålning är denna del är öppnad och spårren är urkopplad. Betrakta ej strålen.

VARO : Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle.Älä katso säteeseen.

ADVARSEL : Usynlig laserstråling ved åbning , når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

ADVARSEL : Usynlig laserstråling ved åpning,når sikkerhetsbryteren er avslott. unngå utsettelse for stråling.

REPRODUCTION AND POSITION OF LABELS

WARNING LABEL

DANGER : Invisibie laser radiation when open and interlock or defeated. AVOID DIRECT EXPOSURE TO BEAM (e)	VARO : Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle.Älä katso säteeseen. (d)	VARNING : Osynlig laserstrålning är denna del är öppnad och spårren är urkopplad. Betrakta ej strålen. (s)	ADVARSEL :Usynlig laserstråling ved åbning , når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling. (f)

Preventing static electricity

Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the laser diode in the traverse unit (optical pickup). Take care to prevent this when performing repairs.

1.1. Grounding to prevent damage by static electricity

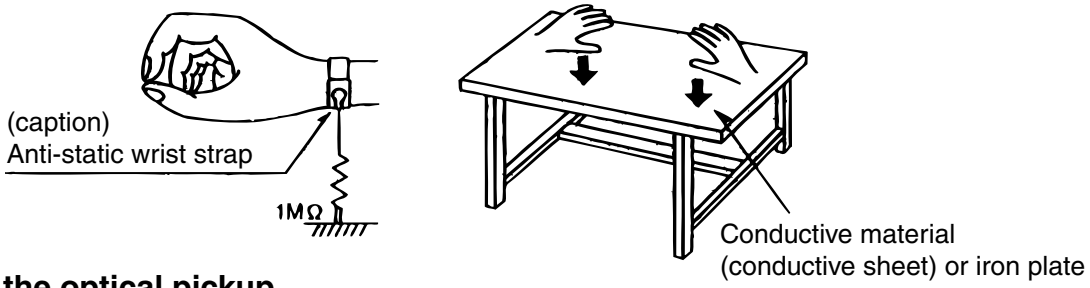
Static electricity in the work area can destroy the optical pickup (laser diode) in devices such as DVD players. Be careful to use proper grounding in the area where repairs are being performed.

1.1.1. Ground the workbench

1. Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the traverse unit (optical pickup) on it.

1.1.2. Ground yourself

1. Use an anti-static wrist strap to release any static electricity built up in your body.



1.1.3. Handling the optical pickup

1. In order to maintain quality during transport and before installation, both sides of the laser diode on the replacement optical pickup are shorted. After replacement, return the shorted parts to their original condition. (Refer to the text.)

2. Do not use a tester to check the condition of the laser diode in the optical pickup. The tester's internal power source can easily destroy the laser diode.

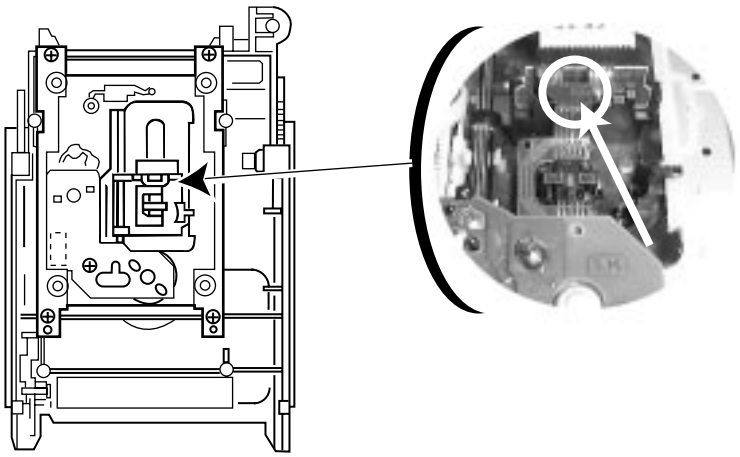
1.2. Handling the traverse unit (optical pickup)

1. Do not subject the traverse unit (optical pickup) to strong shocks, as it is a sensitive, complex unit.

2. Cut off the shorted part of the flexible cable using nippers, etc. after replacing the optical pickup. For specific details, refer to the replacement procedure in the text. Remove the anti-static pin when replacing the traverse unit. Be careful not to take too long a time when attaching it to the connector.

3. Handle the flexible cable carefully as it may break when subjected to strong force.

4. It is not possible to adjust the semi-fixed resistor that adjusts the laser power. Do not turn it



Disassembly method

■ Removing the rear panel

(See Fig. 1 and 2)

1. From behind the body, remove the seven screws **A** retaining the rear panel.
2. After turning the body upside down, remove the two screws **B** retaining the rear panel.

3. Take out the rear panel from behind the body.

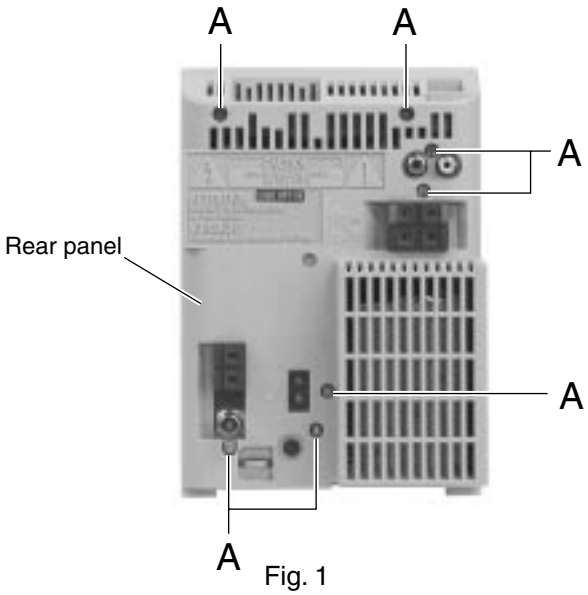


Fig. 1

■ Removing the side panel (L) and (R)

(See Fig. 2 to 5)

1. After turning the body upside down, remove the two screws **C** retaining the front cabinet assembly.

2. After turning the body back to initial position, open the CD door while pressing the upper OPEN button.

3. While moving the side panel (L) in the arrow direction, remove the panel from the left side of the body.

4. While moving the side panel (R) in the arrow direction, remove the panel from the right side of the body.

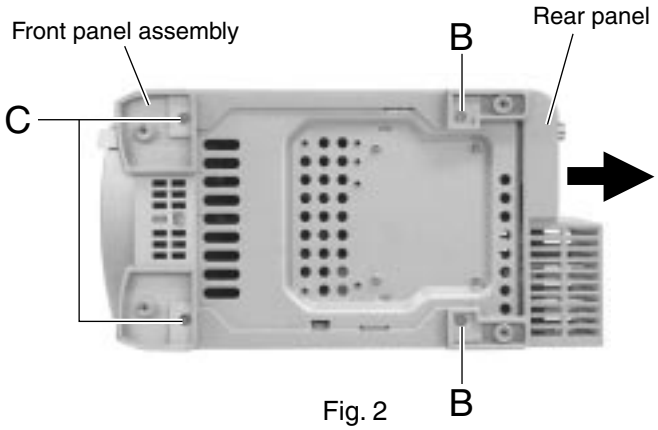


Fig. 2

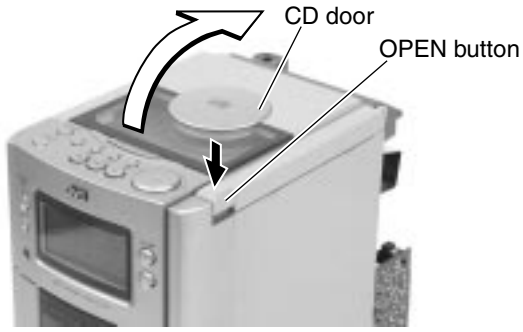


Fig. 3

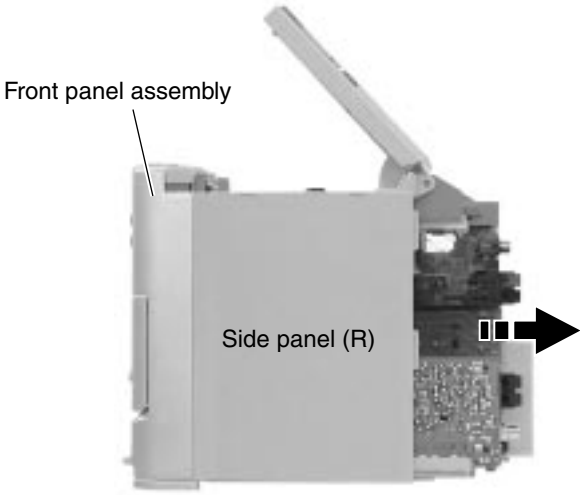


Fig. 5

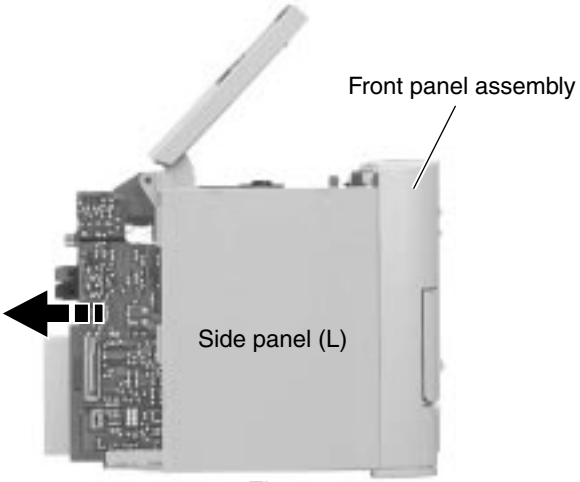


Fig. 4

■ Removing the CD player unit (See Fig. 6 to 8)

1. Remove the rear panel.

2. Remove the left and right side panels.

3. From the two connector CN603 and CN604 on the CD servo control board, disconnect the card wires outgoing from the connector CN304 on the power amplifier board and the connector CN766 on the LCD system CPU board.

4. Disengage the left and right engagements **a** and **b** fixing the CD player unit by using a minus screw driver, etc.

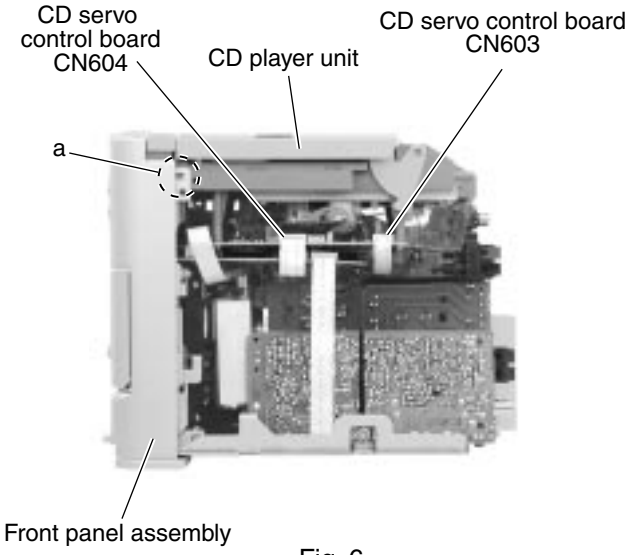


Fig. 6

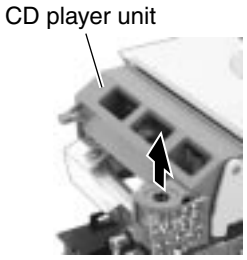


Fig. 8

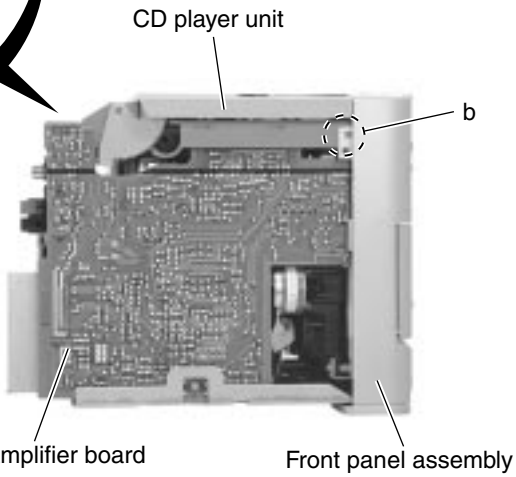


Fig. 7

■ Removing the power amplifier board and heat sink (See Fig. 9 to 11)

1. Remove the rear panel.
2. Remove the left and right side panels.
3. Remove the CD player unit.
4. Remove the five screws **D** and **E** retaining the heat sink.
5. From the connector CN303 on the power amplifier board, disconnect the card wire outgoing from the connector CN34 on the head amplifier and mechanism control board.
6. From the connector CN901 on the power supply board, disconnect the connector wire outgoing from the connector W306 on the power amplifier board.
7. Remove the one screw **F** retaining the power amplifier board.
8. Remove the power amplifier board from the two connectors CN711 and CN712 on the LCD system CPU board.
9. After removing the power amplifier board from the key way **c** on the bottom chassis, take this board out while raising it in the arrow direction.

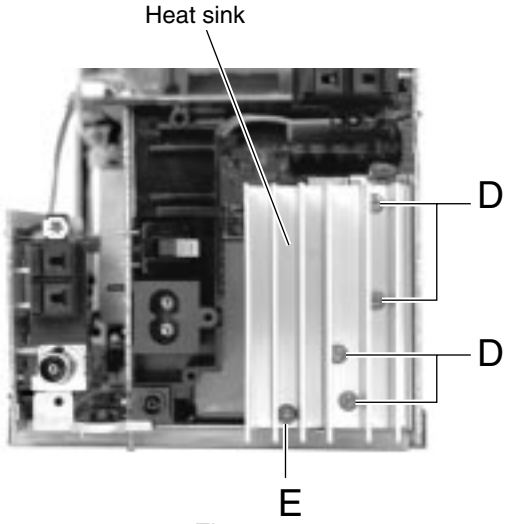


Fig. 9

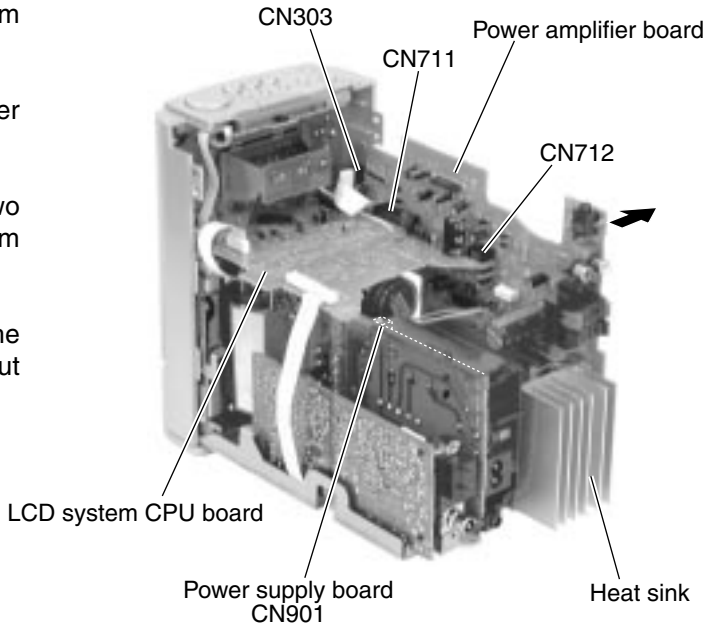


Fig. 10

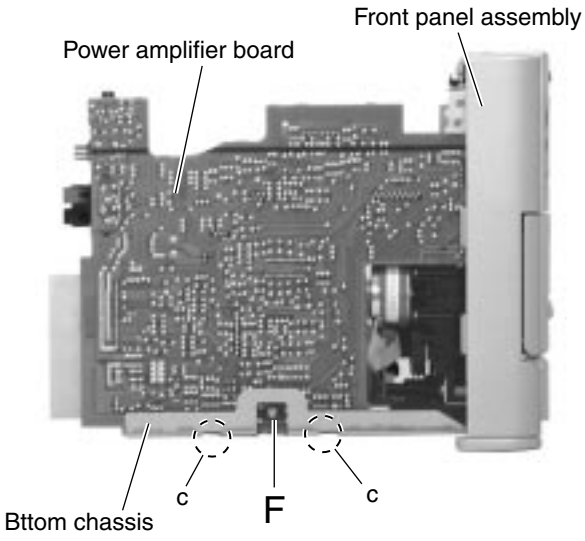


Fig. 11

■ Removing the tuner board (See Fig. 12 and 13)

1. Remove the rear panel.
2. Remove the left and right side panels.
3. From the right side of the body, remove the one screw **G** retaining the tuner board.
4. From the connector CN1 on the tuner board, disconnect the card wire outgoing from the connector CN701 on the LCD system CPU board.
5. Remove each tuner board backward while releasing the joint **d**.

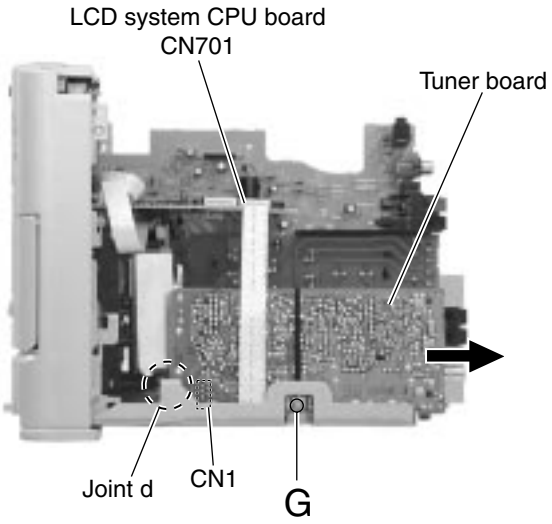


Fig. 12

■ Removing the front panel assembly (See Fig. 12 and 14)

1. Remove the rear panel.
2. Remove the left and right side panels.
3. Remove the CD player unit.
4. Remove the power amplifier board and heat sink.
5. From the connector CN701 on the LCD system CPU board, disconnect the card wire outgoing from the connector CN1 on the tuner board.
6. From the bottom of the body, disengage the engagement **e** fixing the front panel assembly in Fig. 14 while pressing in with a minus screw driver, eta.

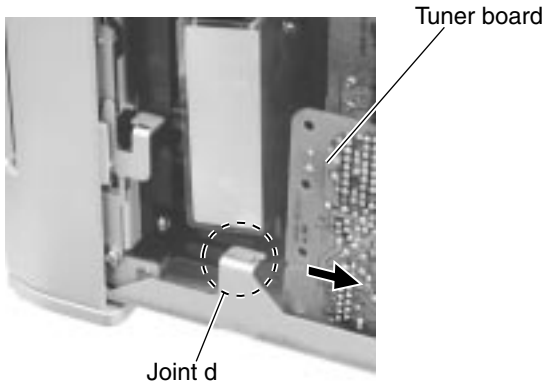


Fig. 13

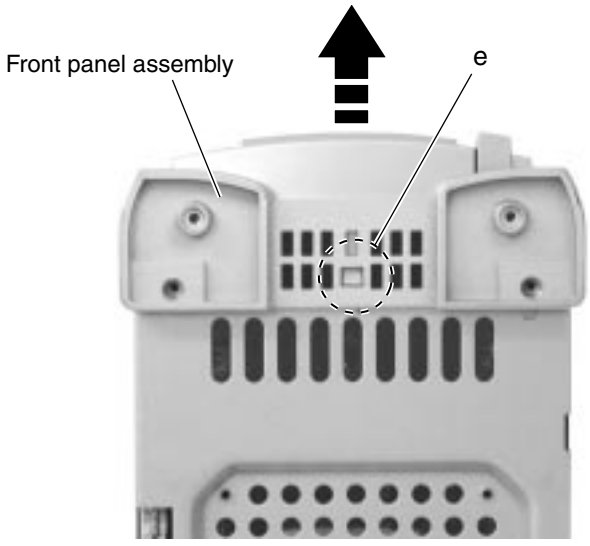


Fig. 14

■ Removing the power transformer and power supply board (See Fig. 15 and 16)

1. Remove the rear panel.
2. Remove the left and right side panels.
3. Remove the CD player unit.
4. Remove the power amplifier board and heat sink.
5. Remove the four screws **H** retaining the power transformer and power supply board and the one screw **I** retaining the jack holder.

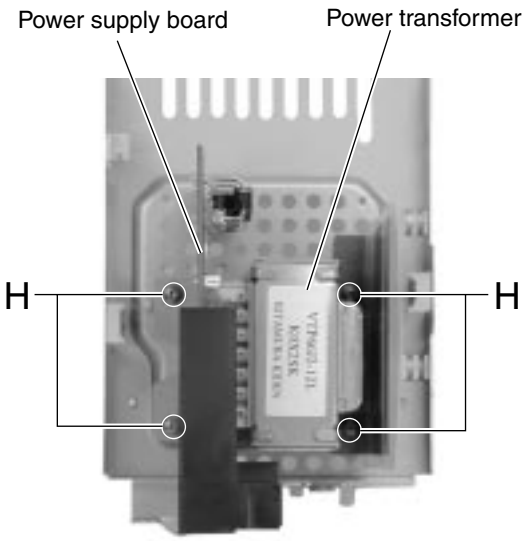


Fig. 15

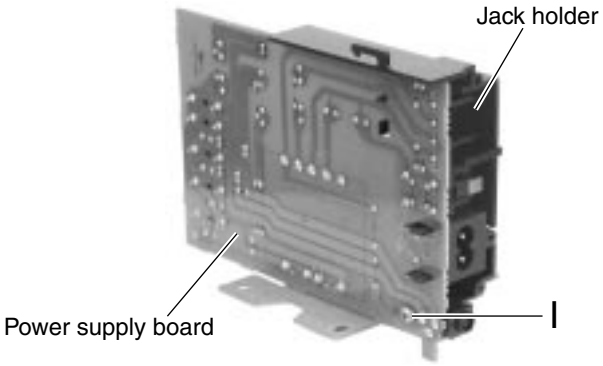


Fig. 16

■ Removing the cassette mechanism unit (See Fig. 17)

1. Remove the rear panel.
2. Remove the left and right side panels.
3. Remove the CD player unit.
4. Remove the power amplifier board.
5. Remove the front panel assembly.
6. From inside the front panel assembly, remove the four screws **J** and **K** retaining the cassette mechanism unit.
7. From the connector CN33 on the head amplifier and mechanism control board, disconnect the card wire outgoing from the connector CN731 on the LCD system CPU board.

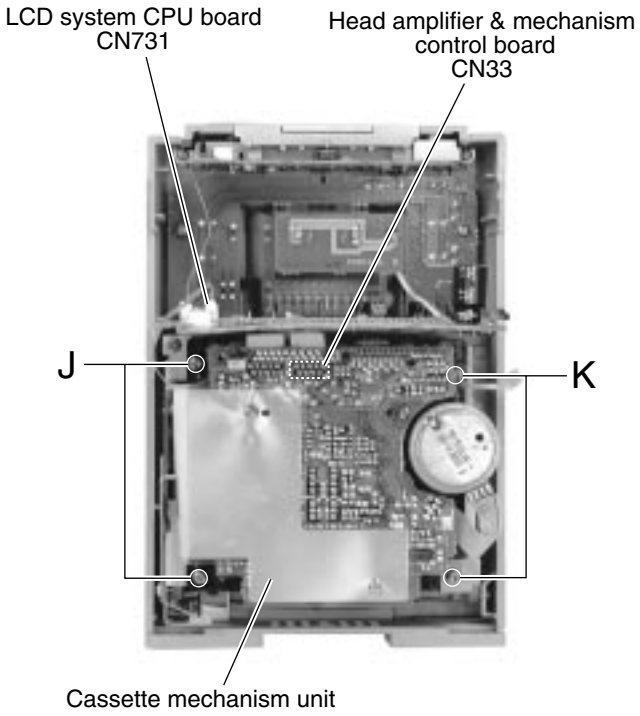


Fig. 17

■ Removing the function switch board and LCD system CPU board

(See Fig. 18 and 19)

1. Remove the rear panel.
2. Remove the left and right side panels.
3. Remove the CD player unit.
4. Remove the front panel assembly.
5. Remove the cassette mechanism unit.
6. From inside the front panel assembly remove the two screws **L** retaining the function switch board.
7. From the connector CN782 on the LCD system CPU board, disconnect the connector wire outgoing from the connector CN802 on the operation switch board.
8. While sliding the two engagements **f** fixing the LCD system CPU board, pull out this board.
9. After disconnect the connector CN801 on the function switch board from the connector CN781 on the LCD system CPU board, remove the respective boards while pulling them upward.

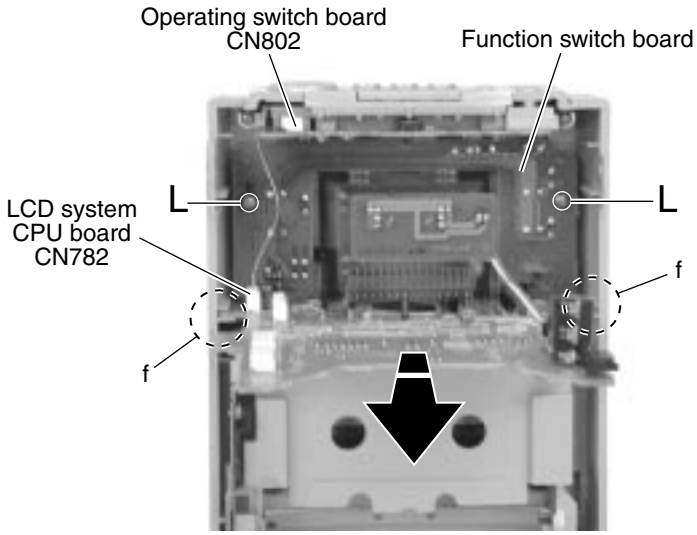


Fig. 18

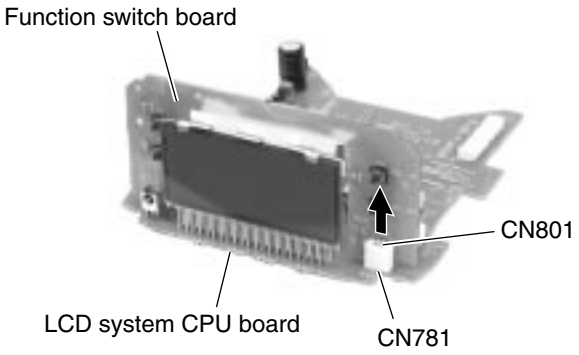


Fig. 19

■ Removing the operating switch board (See Fig. 20 to 22)

1. Remove the rear panel.
2. Remove the left and right side panels.
3. Remove the CD player unit.
4. Remove the front panel assembly.
5. Remove the cassette mechanism unit.
6. Remove the LCD system CPU board.
7. Remove the two screws **M** retaining the operating switch board.
8. Remove the MULTI-JOG button.
9. Remove the VOLUME and POWER / AUX buttons.
10. Take out the standby LED lens.
11. After removing four pawls **g** fixing the operating switch board, remove the switch while pulling it in the arrow direction.
12. Remove the two screws **N** retaining the operation switch board.
13. Remove the six pawls **h** fixing the operating switch board.

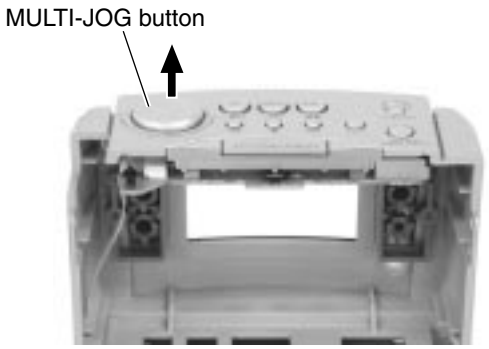


Fig. 20

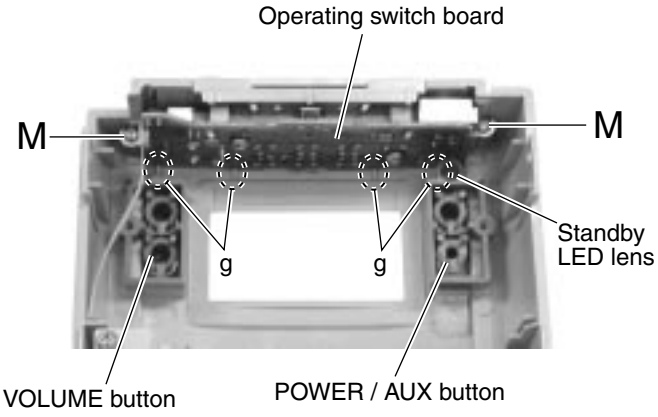


Fig. 21

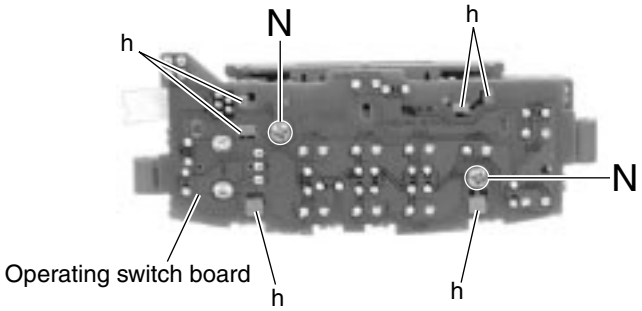


Fig. 22

<Cassette mechanism section>

■ Removing the playback / recording & eraser head (See Fig. 1 to 3)

1. While shifting the trigger arms seen on the right side of the head mount in the arrow direction, turn the flywheel R in counterclockwise direction until the head mount has gone out with a click (See Fig. 1).

2. When the flywheel R is rotated in counterclockwise direction, the playback / recording & eraser head will be turned in counterclockwise direction from the position in Fig. 2 to that in Fig. 3.

3. At this position, disconnect the flexible P.C. board (outgoing from the playback / recording & eraser head) from the connector CN31 on the head amplifier & mechanism control P.C. board.

4. Remove the flexible P.C. board from the chassis base.

5. Remove the spring **1** from behind the playback / recording & eraser head.

6. Loosen the reversing azimuth screw retaining the playback / recording & eraser head.

7. Take out the playback / recording & eraser head from the front of the head mount.

8. The playback / recoring & eraser head should also be removed similarly according to steps 1 to 7 above.

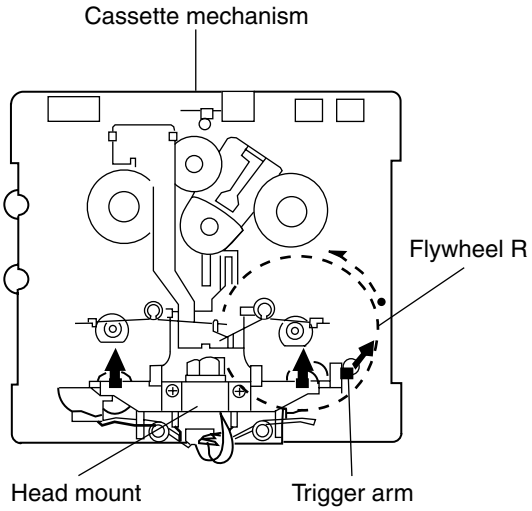


Fig. 1

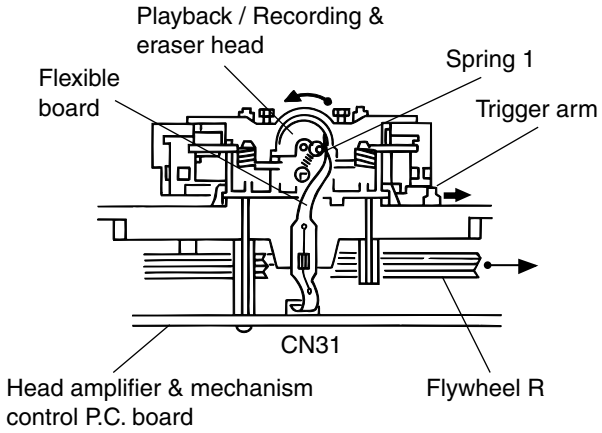


Fig. 2

■ Reassembling the playback / recording & eraser head (See Fig.3)

1. Reassemble the playback head from the front of the head mount to the position as shown in Fig. 3.

2. Fix the reversing azimuth screw.

3. Set the spring **1** from behind the playback / recording & eraser head.

4. Attach the flexible P.C. board to the chassis base, as shown in Fig. 3.

5. The playback / recording & eraser head should also be reassembled similarly to step 1 to 4 above.

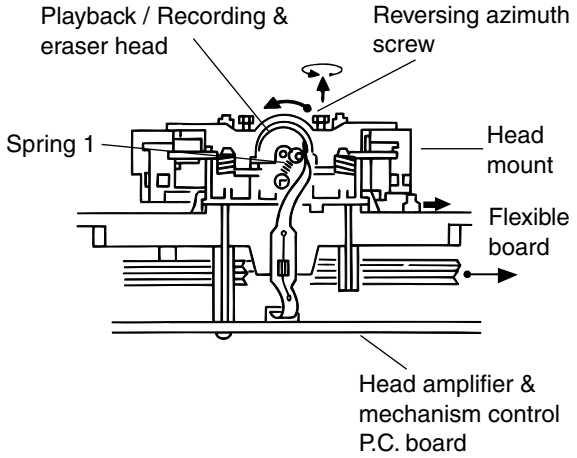


Fig. 3

■ Removing the head amplifier & mechanism control board (See Fig. 4)

1. Remove the cassette mechanism assembly.
2. After turning over th cassette mechanism assembly, remove the three screws **A** retaining the head amplifier & mechanism control board.
3. Disconnect the connector CN32 on the board including the connector CN 1 on the reel pulse P.C. board.
4. When necessary, remove the 4 pin parallel wire soldered to the main motor.

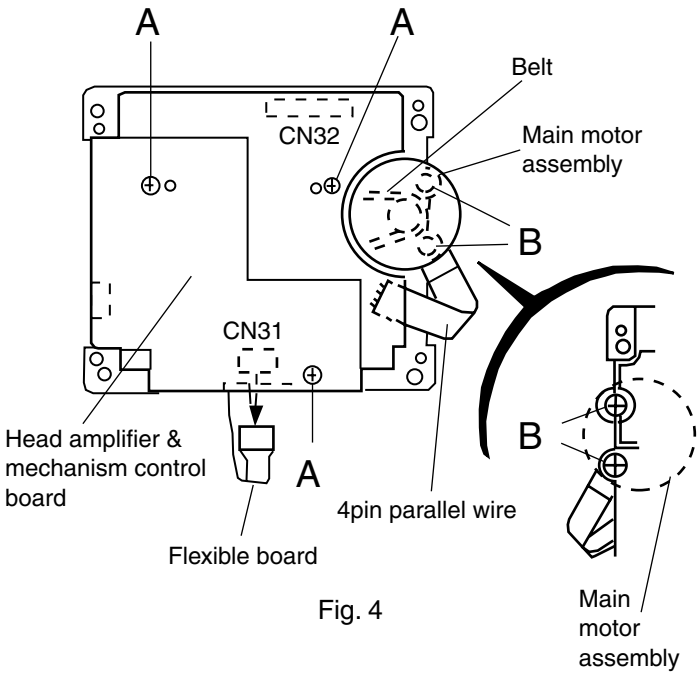


Fig. 4

■ Removing the main motor assembly

1. Remove the two screws **B** retaining the main motor assembly (See Fig. 4 and 4a).
2. While raising the main motor, remove the capstan belt from the motor pulley (See Fig. 4a).

CAUTION: Be sure to handle the capstan belt so carefully that this belt will not be stained by grease and other foreign matter. Moreover, this belt should be hanged while referring to the capstan belt hanging method in Fig. 5 and 6.

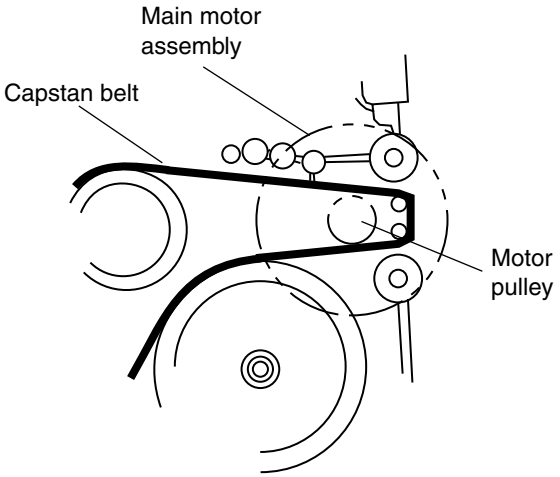


Fig. 4a

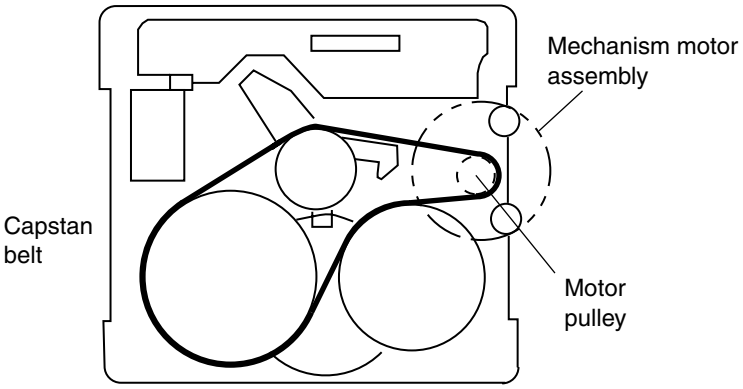


Fig. 5

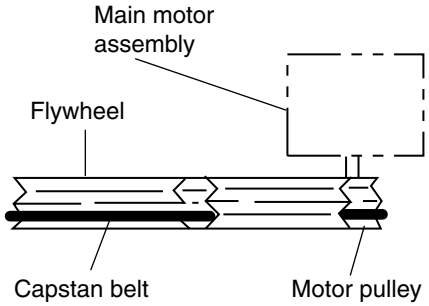


Fig. 6

■ Removing the flywheel (See Fig. 7 and 8)

1. Remove the head amplifier & mechanism control P.C. board.

2. Remove the main motor assembly.

3. After turning over the cassette mechanism, remove the two slit washers **1** and fixing the capstan shafts R and L, and pull out the flywheel R and L respectively from behind the cassette mechanism.

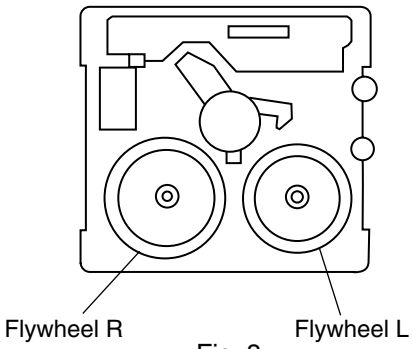


Fig. 8

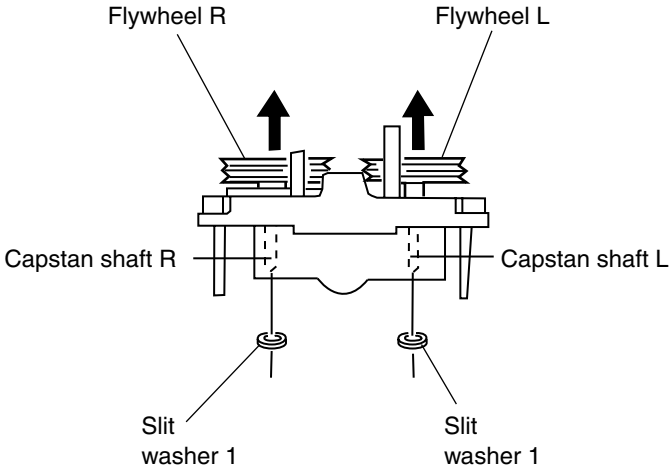


Fig. 7

■ Removing the reel pulse P.C. board and solenoid (See Fig. 9)

1. Remove the five pawls **a** to **e** reattaining the reel pulse board.

2. From the surface of the reel pulse board parts, remove the two pawls **f** and **g** retaining the solenoid.

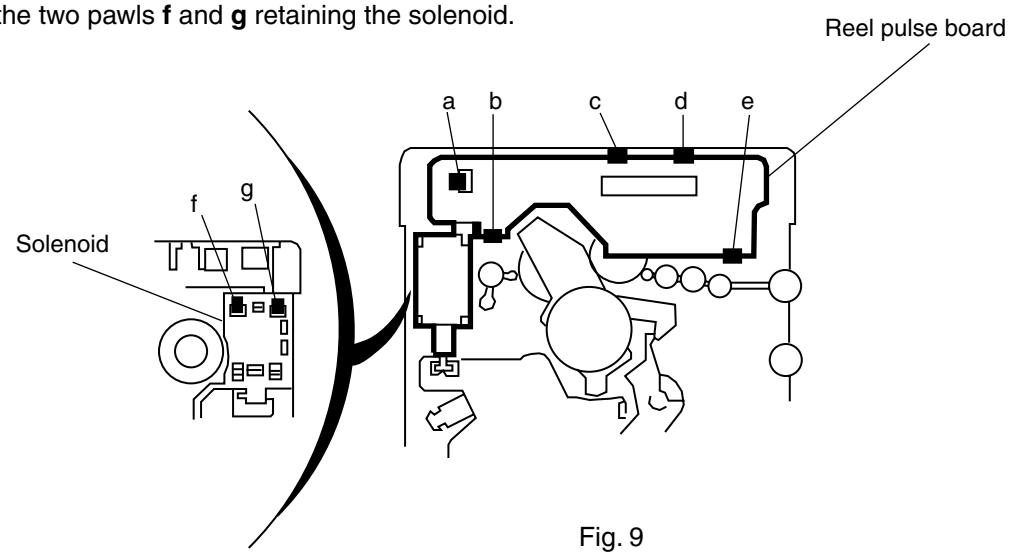


Fig. 9

<CD Player Unit Section>

■ Removing the CD mechanism and CD servo control P.C. board (See Fig. 1 and 2)

1. Remove the rear panel.
2. Remove the left and right side panels.
3. Remove the CD player unit.
4. After turning back the CD player unit, remove the four screws **A** retaining the CD servo control board and shield.
5. From the connector CN601 on the CD servo control board, disconnect the card wire outgoing from the CD mechanism.
6. From the connector P011 on the CD mechanism P.C. board, disconnect the connector wire outgoing from the connector CN602 on the CD servo control board.
7. Remove the four screws **B** retaining the CD mechanism.
8. While sliding the CD mechanism in the arrow direction, take turn table out so carefully that it does not come into contact with the chassis.

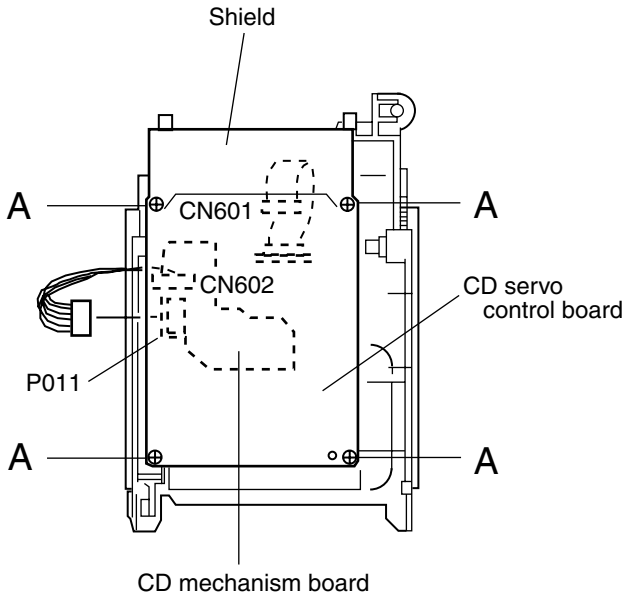


Fig. 1

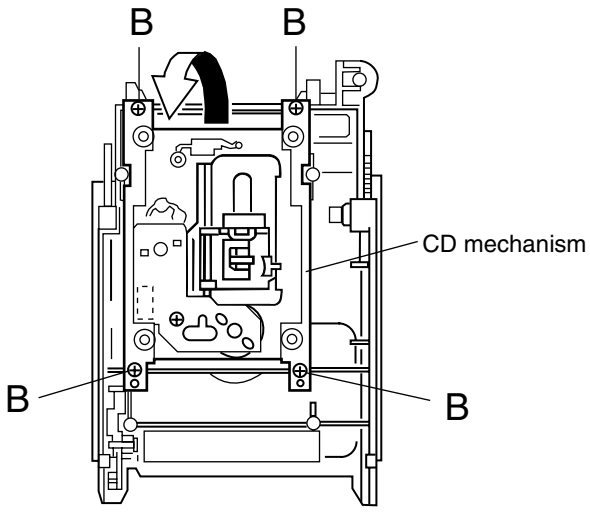


Fig. 2

Adjustment method

■ Measurement instruments required for adjustment

1. Low frequency oscillator
   This oscillator should have a capacity to output 0dBs to 600Ω at an oscillation frequency of 50Hz-20kHz.
2. Attenuator impedance : 600Ω
3. Electronic voltmeter
4. Distortion meter
5. Frequency counter
6. Wow & flutter meter
7. Test tape
   VT712 : Tape speed and running unevenness (3kHz)
   VT724 : Reference level (1kHz)
   TMT7036 : Head angle (10kHz), playback frequency characteristics (1kHz) and dubbing frequency characteristics (63, 1 and 10kHz)

Because of frequency -mixed tape with 63, 1, 10 and 14kHz (250nWb/m - 24dB), use this tape together with a filter.

8. Blank tape
   TYPE Ⅰ : AC-225
   TYPE Ⅱ : AC-514
9. Torque gauge : For play and back tension FWD(TW2111A), REV(TW2121a) and FF/REW(TW2231A)

■ Measurement conditions

Power supply voltage ---------- AC230V (50Hz)
Reference output ---------- Speaker : 0.775V/4Ω
Headphone : 0.245V/32Ω
Reference frequency and input level -------- 1kHz, AUX : -8dBs
Input for confirming recording and playback characteristics ---- AUX : -28dBs
Measurement output terminal -------- Speaker J3002
※Load resistance ---------- 4Ω

● Radio Input signal

AM frequency ---------- 400Hz
AM modulation ---------- 30%
FM frequency ---------- 400Hz
FM frequency deviation ---------- 22.5kHz

● Tuner section

Voltage applied to tuner ---------- +B : DC5.7V
VT : DC 12V
Reference measurement output ------ 26.1mV(0.28V)/4Ω
Input positions ------ AM : Standard loop antenna
FM : TP1 (hot) and TP2 (GND)

● Standard measurement position of volume

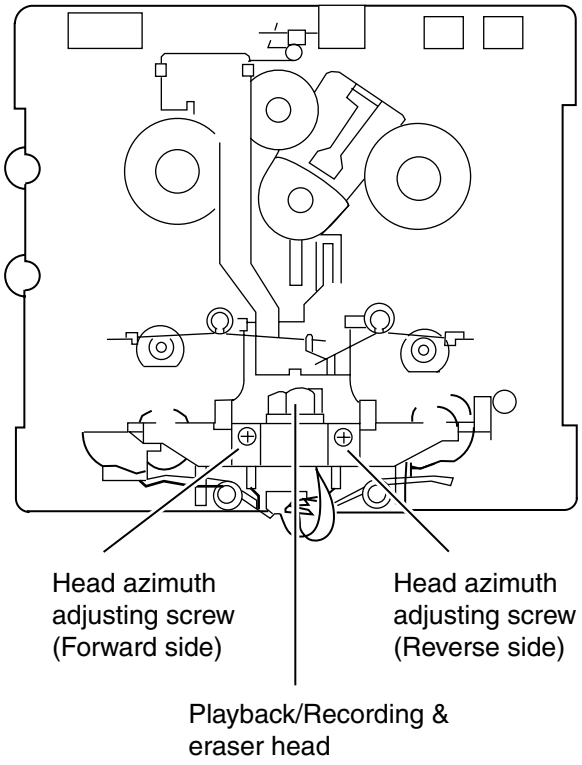
Bass ---------- Off
Active hoper bass pro ---------- Off
Up and down adjustment of volume ------ VOL : 23

Precautions for measurement

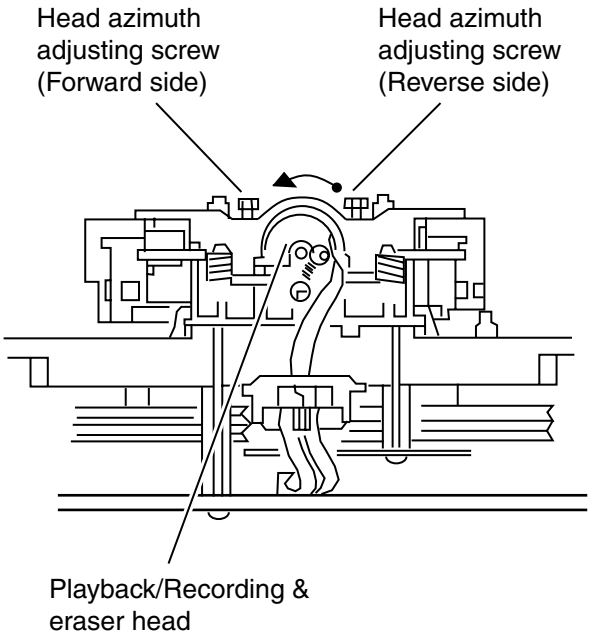
1. Apply 30pF and 33kΩto the IF sweeper output side and 0.082μF and 100kΩ in series to the sweeper input side.
2. The IF sweeper output level should be made as low as possible within the adjustable range.
3. Since the IF sweeper is a fixed device, there is no need to adjust this sweeper.
4. Since a ceramic oscillator is used, there is no need to perform any MIX adjustment.
5. Since a fixed coil is used, there is no need to adjust the FM tracking.
6. The input and output earth systems are separated. In case of simultaneously measuring the voltage in both of the input and output systems with an electronic voltmeter for two channels, therefore, the earth should be connected particularly carefully.
7. In the case of BTL connection amp., the minus terminal of speaker is not for earthing. Therefore, be sure not to connect any other earth terminal to this terminal. **This system is of an BTL system.**
8. For connecting a dummy resistor when measuring the output, use the wire with a greater code size.
9. Whenever any mixed tape is used, use the band pass filter (DV-12).

<<Arrangement of adjusting positions>>

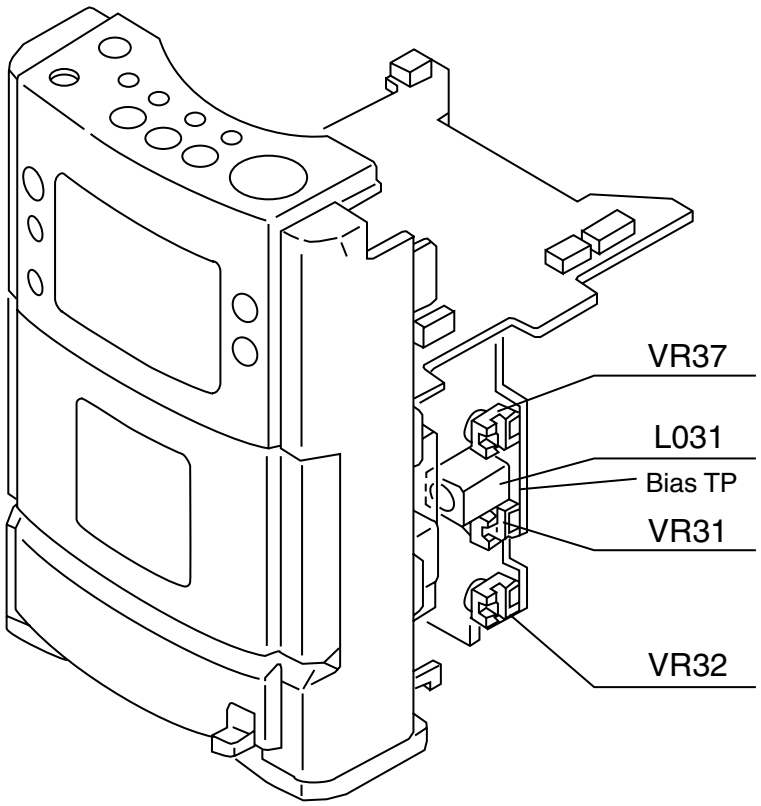
● **Cassette mechanism section**



● **Cassette mechanism section (Bottom side)**



● **Front panel assembly section**



■ Tape Recorder Section

Items	Measurement conditions	Measurement method	Standard Values	Adjusting positions
Confirmation of head angle	Test tape : TMT7036 (10kHz) Measurement output terminal : Speaker terminal Speaker R (Load resistance: 4Ω) : Headphone terminal	1 Playback the test tape TMT7036 (10kHz) 2 With the recording & playback mechanism, adjust the head azimuth screw so that the forward and reverse output levels become maximum. After adjustment, lock the head azimuth at least by half turn. 3 In either case, this adjustment should be performed in both the forward and reverse directions with the head azimuth screw.	Maximum output	Adjust the head azimuth screw only when the head has been changed.
Confirmation of tape speed	Test tape : VT712 (3kHz) or TMT7036 (3kHz) Measurement output terminal : Headphone terminal	Adjust VR37 so that the frequency counter reading becomes 3,010Hz±15Hz when playing back the test tape VT712 (3kHz) with playback and recording mechanism after ending forward winding of the tape.	Tape speed of deck : 3,010Hz ±15Hz	VR37

■ Reference Values for Confirmation Items

Items	Measurement conditions	Measurement method	Standard Values	Adjusting positions
Difference between the forward and reverse speed	Test tape : VT712 (3kHz) or TMT7036 (3kHz) Measurement output terminal : Speaker terminal Speaker R (Load resistance: 4Ω) Measurement output terminal : Headphone	When the test tape VT712 (3kHz) has been played back with the recording and playback mechanism at the beginning of forward winding, the frequency counter reading of the difference between both of the mechanism should be 6.0Hz or less.	6.0Hz or less	Head azimuth screw (See Fig. 34)
Wow & flutter	Test tape : VT712 (3kHz) or TMT7036 (3kHz) Measurement output terminal : Headphone terminal	When the test tape VT712 (3kHz) has been played back with the recording and playback mechanism at the beginning of forward winding, the frequency counter reading of wow & flutter should be 0.25% or less (WRMS).	0.25% or less (WRMS)	

■ Electrical Performance

Items	Measurement conditions	Measurement method	Standard Values	Adjusting positions
Adjustment of recording bias current (Reference Value)	・Mode: Forward or reverse mode ・Recording mode ・Test tape : AC-514 to TYPE Ⅱ and AC-225 to TYPE Ⅰ Measurement output terminal : Both recording and headphone terminals	1 With the recording and playback mechanism, load the test tapes (AC-514 to TYPE Ⅱ and AC-225 to TYPE Ⅰ), and set the mechanism to the recording and pausing condition in advance. 2 After connecting 100Ω in series to the recorder head, measure the bias current with a valve voltmeter at both of the terminals. 3 After resetting the [PAUSE] mode, start recording. At this time, adjust VR31 for Lch and VR32 for Rch so that the recording bias current values become 4.0μA (TYPE Ⅰ) and 4.20 μ A (TYPE Ⅱ).	AC-225 : 4.20 μ A AC-514 : 4.0 μA	L ch : VR31 R ch : VR32
Adjustment of recording and playback frequency characteristics	Reference frequency : 1kHz and 10kHz (REF.: -20dB) Test tape : AC-514 to TYPE Ⅱ Measurement input terminal : OSC IN	1 With the recording and playback mechanism, load the test tapes (AC-514 to TYPE Ⅱ), and set the mechanism to the recording and pausing condition in advance. 2 While repetitively inputting the reference frequency signal of 1kHz and 10kHz from OSC IN, record and playback the rape. 3 While recording and playback the test tape in TYPE Ⅱ , adjust VR31 for Lch and VR32 for Rch so that the output deviation between 1kHz and 10kHz becomes -1dB±2dB.	Output deviation between 1kHz and 10kHz : -1dB±2dB	L ch : VR31 R ch : VR32

■ Reference Values for Electrical Function Confirmation Items

Items	Measurement conditions	Measurement method	Standard Values	Adjusting positions
Recording bias frequency	Forward or reverse ・Test tape : TYPE Ⅱ(AC-514) ・Measurement terminal : BIAS TP on P.C. board	1 While changing over to and from BIAS 1 and 2, confirm that the frequency is changed. 2 With the recording and playback mechanism, load the test tape. (AC-514 to TYPE Ⅱ), and set the mechanism to the recording and pausing condition in advance. 3 Confirm that the BIAS TP frequency on the P.C. board is 100kHz ±6kHz.	100 kHz ± 6 kHz	
Eraser current (Reference value)	Forward or reverse ・Recording mode ・Test tape : AC-514 to TYPE Ⅱ and AC-225 to TYPE Ⅰ Measurement terminal : Both of the eraser head terminals	1 While recording and playback mechanism, load the test tapes (AC-514 to TYPE Ⅱ and AC-225 to TYPE Ⅰ), and set the mechanism to the recording and pausing conditions in advance. 2 After setting to the recording conditions, connect 1W in series to the eraser head on the recording and playback mechanism side, and measure the eraser current from both of the eraser terminals.	TYPE Ⅱ : 120 mA TYPE Ⅰ : 75 mA	

Flow of Functional Operation Until TOC Read

Power ON → Power Key → Slider turns REST SW ON.

Check Point: Check that the voltage at the pin17 of CN604 is 0V (a moment)?

Slider turns REST SW ON.
↓
Automatic tuning of TE offset
↓
Laser ON → Check that the voltage at the pin3 of IC601 + side is + 5V?
↓
Detection of disc
↓
Automatic tuning of Focus offset
↓
Automatic measurement of Focus A-curve amplitude → Confirm that the Focus error S-cuve signal at the pin27 of IC601 is approx.2Vp-p
↓
Disc is rotated → Confirm that the signal from pin24 IC603 is 0V as a accelerated pulse during approx.400ms.
↓
Focus servo ON (Tracking servo ON)
↓
Automatic measurement of Tracking error amplitude → Confirm the waveform of the Tracking error signal at the pin25 of IC601 (R612) (See fig-1)
↓
Automatic tuning of Tracking error balance
↓
Automatic tuning of Focus error balance
↓
Automatic tuning of Focus error gain
↓
Automatic tuning of Tracking error gain
↓
TOC reading → Confirm the eys-pattern at the lead of TP1
↓
Play a disc

■ Tracking error waveform at TOC reading

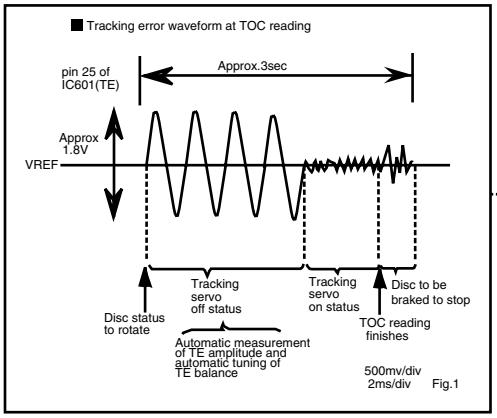
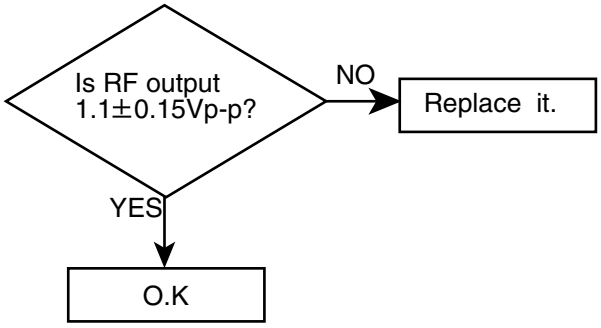


Fig.1

Maintenance of Laser Pickup

(1) Cleaning the pick up lens
Befor you replace the pick up, please try to clean the lens with a alcohol soaked cotton swab.

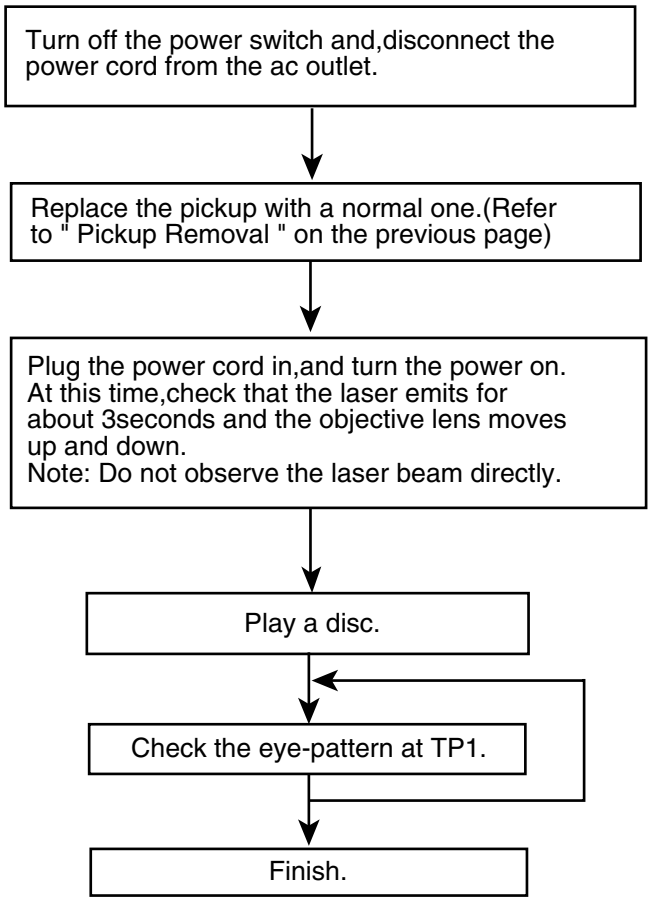
(2) Life of the laser diode (Fig.1)
When the life of the laser diode has expired, the following symptoms wil appear.
(1) The level of RF output (EFM output:amplitude of eye pattern) will below.



(Fig.1)

(3) Semi-fixed resistor on the APC PC board
The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power.Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.
If the laser power is lower than the specified value,the laser diode is almost worn out, and the laser pickup should be replaced.
If the semi-fixed resistor is adjusted while the pickup is functioning normally,the laser pickup may be damaged due to excessive current.

Replacement of Laser Pickup


Turn off the power switch and,disconnect the power cord from the ac outlet.
Replace the pickup with a normal one.(Refer to " Pickup Removal " on the previous page)
Plug the power cord in,and turn the power on. At this time,check that the laser emits for about 3seconds and the objective lens moves up and down.
Note: Do not observe the laser beam directly.
Play a disc.
Check the eye-pattern at TP1.
Finish.

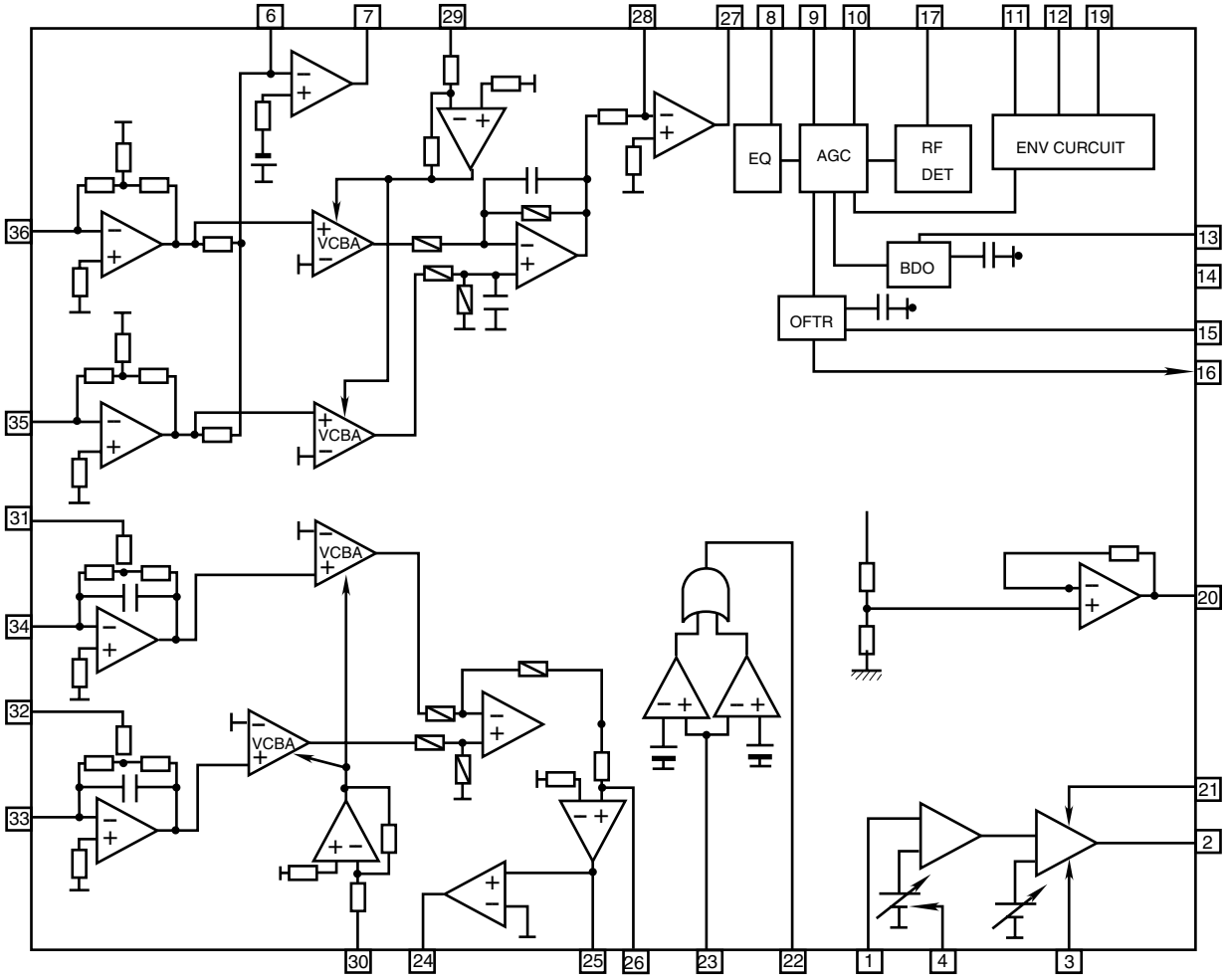
Description of major ICs

■ AN8806SB (IC601) : RF&Servo AMP

1.Pin layout

PD	1	36	PDAC
LD	2	35	PDBD
LDON	3	34	PDF
LDP	4	33	PDE
VCC	5	32	PDER
RF-	6	31	PDFR
RF OUT	7	30	TBAL
RF IN	8	29	FBAL
C.AGC	9	28	EF-
ARF	10	27	EF OUT
C.ENV	11	26	TE-
C.EA	12	25	TE OUT
CS BDO	13	24	CROSS
BDO	14	23	TE BPF
CS BRT	15	22	VDET
OFTR	16	21	LD OFF
/NRFDET	17	20	VREF
GND	18	19	ENV

2.Block diagram



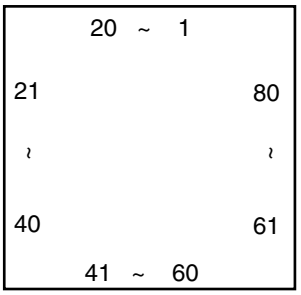
AN8806SB

3. Pin function

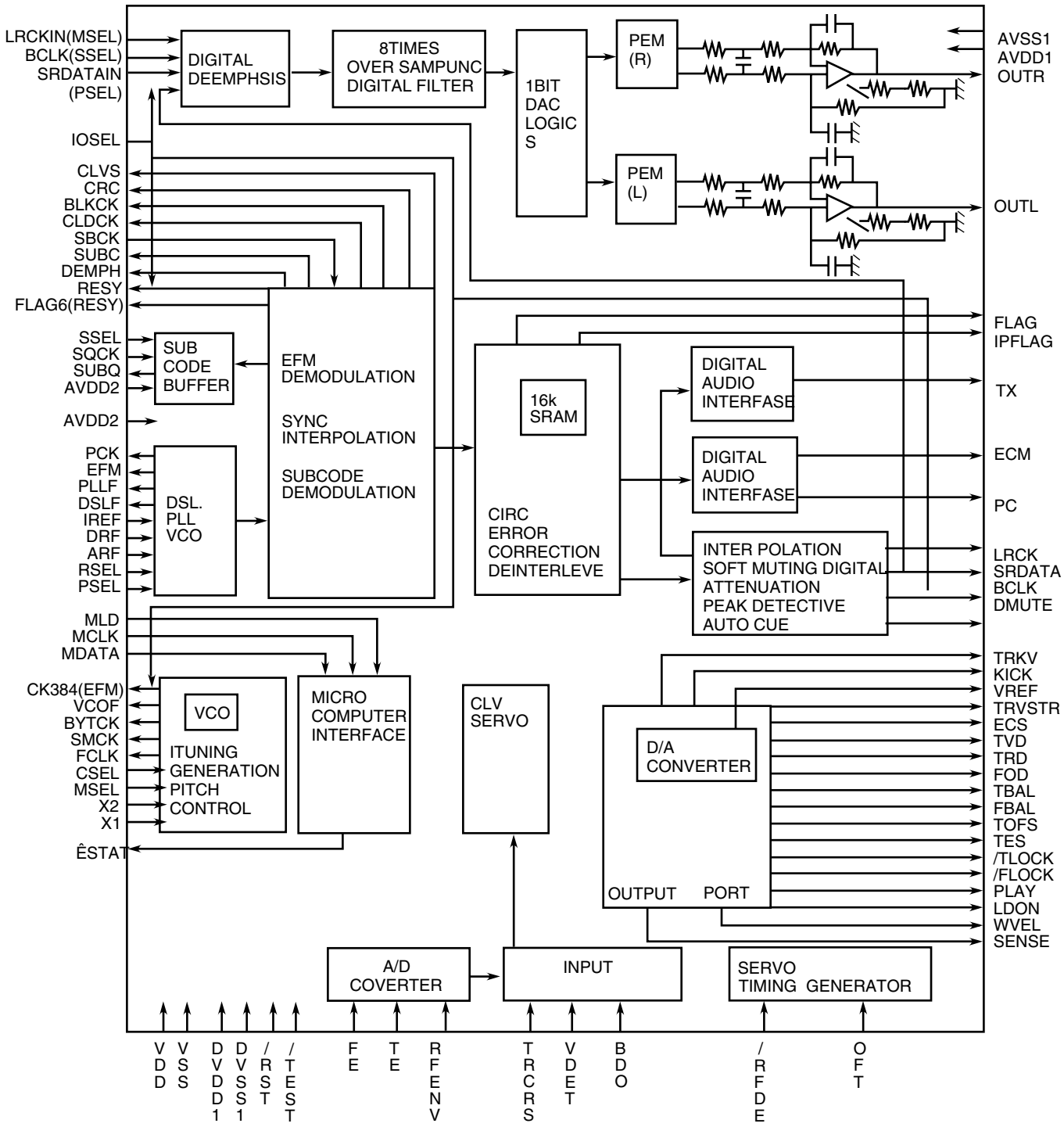
Pin No.	Symbol	I/O	Function
1	PD	I	APC amp input terminal
2	LD	O	APC amp output terminal
3	LD ON	I	APC ON/OFF control terminal
4	LDP	--	Connect to ground
5	VCC	--	Power supply
6	RF-	I	Inverse input pin for RF amp
7	RF OUT	O	RFamp output
8	RF IN	I	RF input
9	C.AGC	I/O	Connecting pin of AGC loop filter
10	ARF	O	RF output
11	C.ENV	I/O	A capacitor is connected to this terminal to detect the envelope of RF signal
12	C.EA	I/O	A capacitor is connected to this terminal to detect the envelope of RF signal
13	CS BDO	I/O	A capacitor is connected to detect the lower envelope of RF signal
14	BDO	O	BDO output pin
15	CS BRT	I/O	A capacitor is connected to detect the lower envelope of RF signal
16	OFTR	O	Of-track status signal output
17	/NRFDET	O	RF detection signal output
18	GND	--	Ground
19	ENV	O	Envelope output
20	VREF	O	Reference voltage output
21	LD OFF	--	Connect to ground
22	VDET	O	Vibration detection signal output
23	TE BPF	I	Input pin of tracking error through BPF
24	CROSS	O	Tracking error cross output
25	TE OUT	O	Tracking error signal output
26	TE-	I	Inverse input pin for tracking error amp
27	FE OUT	O	Output pin of focus error
28	FE-	I	Inverse input pin for focus error amp
29	FBAL	I	Focus balance control
30	TBAL	I	Tracking balance control
31	PDFR	I/O	F I-V amp gain control
32	PDER	I/O	E I-V amp gain control
33	PDF	I	I-V amp input
34	PDE	I	I-V amp input
35	PD BD	I	I-V amp input
36	PD AC	I	I-V amp input

■ MN35510 (IC603) : Digital servo & digital signal processor

1. Pin layout



2.Block diagram



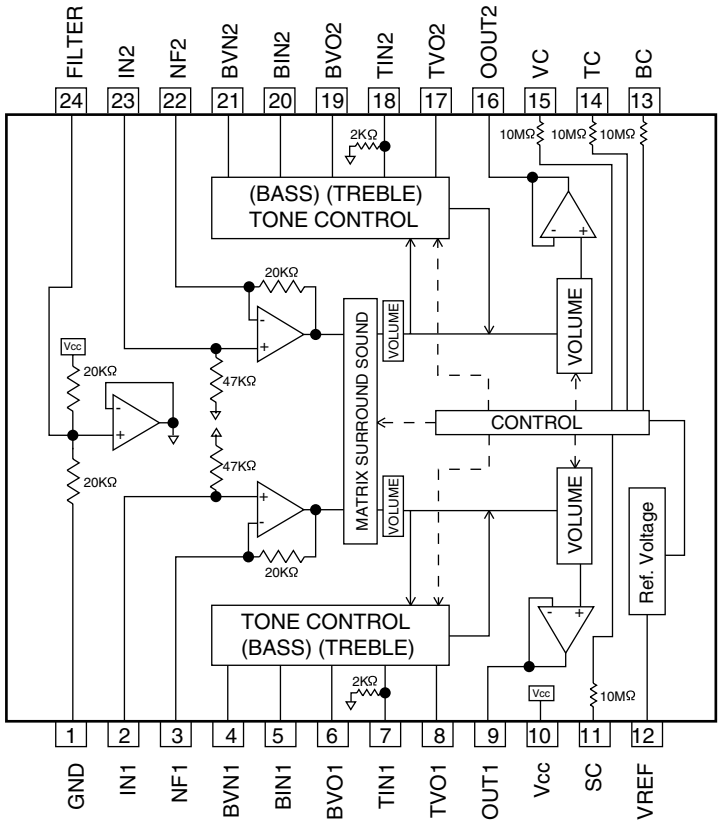
3. Pin function

MN35510

Pin No.	symbol	I/O	Function	Pin No.	symbol	I/O	Function
1	BCLK	O	Not used	41	TES	O	Tracking error shunt signal output(H:shunt)
2	LRCK	O	Not used	42	PLAY	—	Not used
3	SRDATA	O	Not used	43	WVEL	—	Not used
4	DVDD1	—	Power supply (Digital)	44	ARF	I	RF signal input
5	DVSS1	—	Connected to GND	45	IREF	I	Reference current input pin
6	TX	O	Digital audio interface output	46	DRF	I	Bias pin for DSL
7	MCLK	I	μcom command clock signal input (Data is latched at signal's rising point)	47	DSLF	I/O	Loop filter pin for DSL
8	MDATA	I	μcom command data input	48	PLLF	I/O	Loop filter pin for PLL
9	MLD	I	μcom command load signal input	49	VCOF	—	Not used
10	SENSE	O	Not used	50	AVDD2	—	Power supply(Analog)
11	FLOCK	O	Not used	51	AVSS2	—	Connected to GND(Analog)
12	TLOCK	O	Not used	52	EFM	—	Not used
13	BLKCK	O	sub-code·block·clock signal output	53	PCK	—	Not used
14	SQCK	I	Outside clock for sub-code Q resister input	54	PDO	—	Not used
15	SUBQ	O	Sub-code Q -code output	55	SUBC	—	Not used
16	DMUTE	—	Connected to GND	56	SBCK	—	Not used
17	STATUS	O	Status signal (CRC,CUE,CLVS,TTSTOP,ECLV,SQOK)	57	VSS	—	Connected to GND(for X'tal oscillation circuit)
18	RST	I	Reset signal input (L:Reset)	58	XI	I	Input of 16.9344MHz X'tal oscillation circuit
19	SMCK	—	Not used	59	X2	O	Output of X'tal oscillation circuit
20	PMCK	—	Not used	60	VDD	—	Power supply(for X'tal oscillation circuit)
21	TRV	O	Traverse enforced output	61	BYTCK	—	Not used
22	TVD	O	Traverse drive output	62	CLDCK	—	Not used
23	PC	—	Not used	63	FCLK	—	Not used
24	ECM	O	Spindle motor drive signal (Enforced mode output) 3-State	64	IPPLAG	—	Not used
25	ECS	O	Spindle motor drive signal (Servo error signal output)	65	FLAG	—	Not used
26	KICK	O	Kick pulse output	66	CLVS	—	Not used
27	TRD	O	Tracking drive output	67	CRC	—	Not used
28	FOD	O	Focus drive output	68	DEMPH		Not used
29	VREF	I	Reference voltage input pin for D/A output block (TVD,FOD,FBA,TBAL)	69	RESY	—	Not used
30	FBAL	O	Focus Balance adjust signal output	70	IOSEL	—	pull up
31	TBAL	O	Tracking Balance adjust signal output	71	TEST	—	pull up
32	FE	I	Focus error signal input(Analog input)	72	AVDD1	—	Power supply(Digital)
33	TE	I	Tracking error signal input(Analog input)	73	OUT L	O	Lch audio output
34	RF ENV	I	RF envelope signal input(Analog input)	74	AVSS1	—	Connected to GND
35	VDET	I	Vibration detect signal input(H:detect)	75	OUT R	O	Rch audio output
36	OFT	I	Off track signal input(H:off track)	76	RSEL	—	pull up
37	TRCRS	I	Track cross signal input	77	CSEL	—	Connected to GND
38	RFDET	I	RF detect signal input(L:detect)	78	PSEL	—	Connected to GND
39	BDO	I	BDO input pin(L:detect)	79	MSEL	—	Connected to GND
40	LDON	O	Laser ON signal output(H:on)	80	SSEL	—	Pull up

■ BH3852S (IC38) : E.Volume

1. Block diagrams

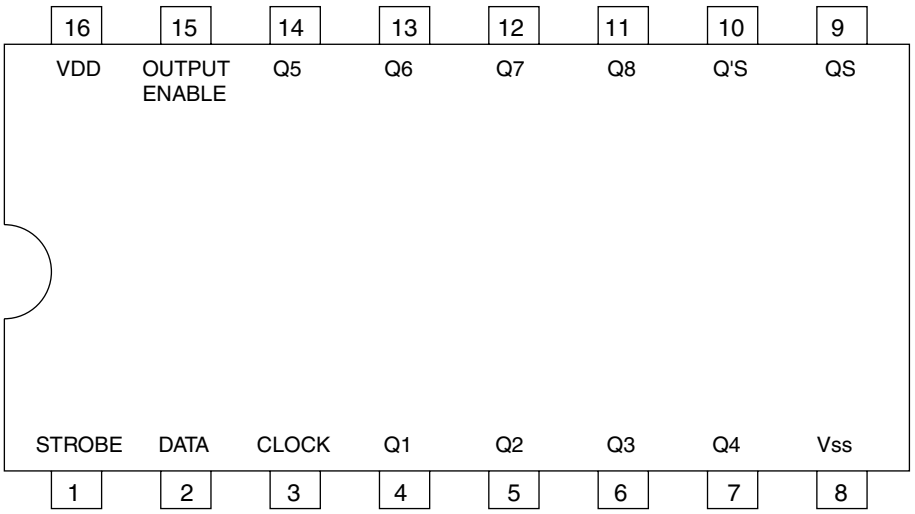


2. Pin function

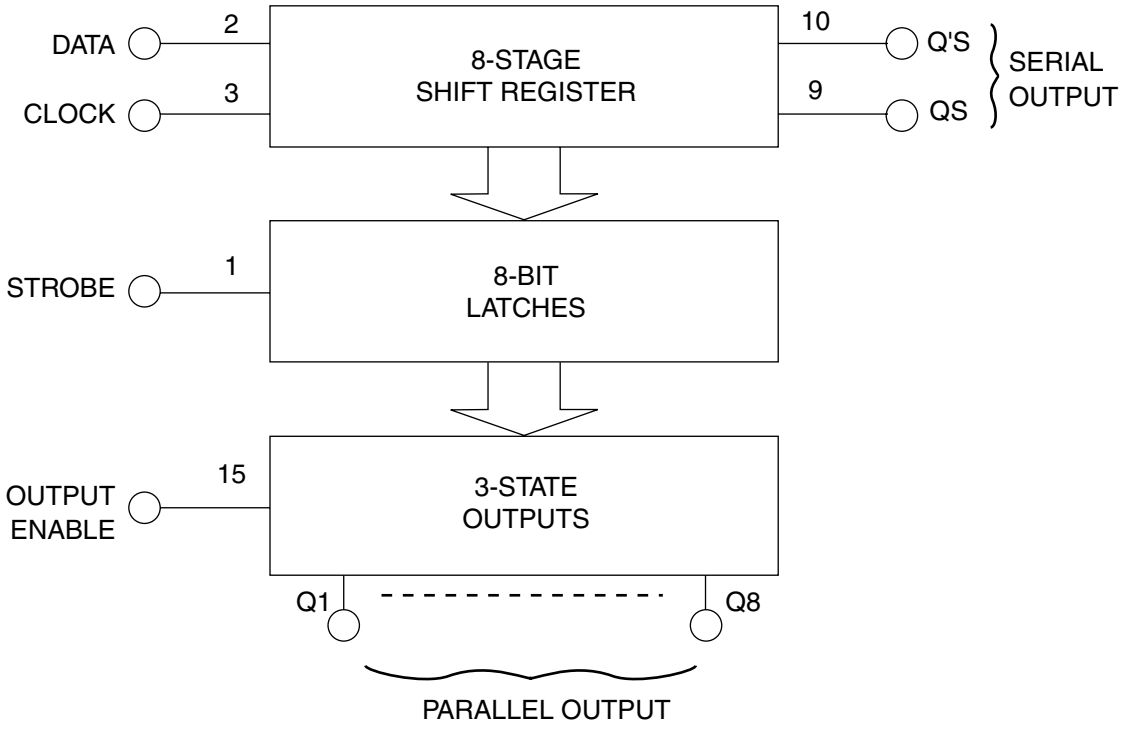
Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	GND	-	Connect to GND.	13	BASS	I	Terminal for bass control.
2	IN1	I	Terminal for 1ch volume input.	14	TRE	I	Terminal for treble control.
3	NF1	I	Terminal for gain adjustment of input step AMP.	15	VOL	I	Terminal for volume control.
				16	OUT2	O	Terminal for 2ch volume output.
4~6	BASS1	-	Terminal for connection of 1ch low-frequency filter.	17.18	TRE2	-	Terminal for connection of 2ch high-frequency filter.
7.8	TRE1	-	Terminal for connection of 1ch high-frequency filter.	19~21	BASS2	-	Terminal for connection of 2ch low-frequency filter.
9	OUT1	O	Terminal for 1ch volume output.	22	NF2	I	Terminal for gain adjustment of input step AMP.
10	VCC	-	Terminal for power supply.				
11	LIVE	-	Terminal for surround control.	23	IN2	I	Terminal for 2ch volume input.
12	VREF	O	Terminal for reference voltage output.	24	VSET	-	Terminal for filter.

■ BU4094BCF-X (IC33) : SHIFT / STORE register

1. Pin layout

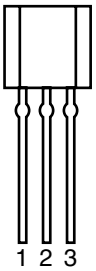


2. Block diagram



■ KIA78S06P (IC703) : Regulator

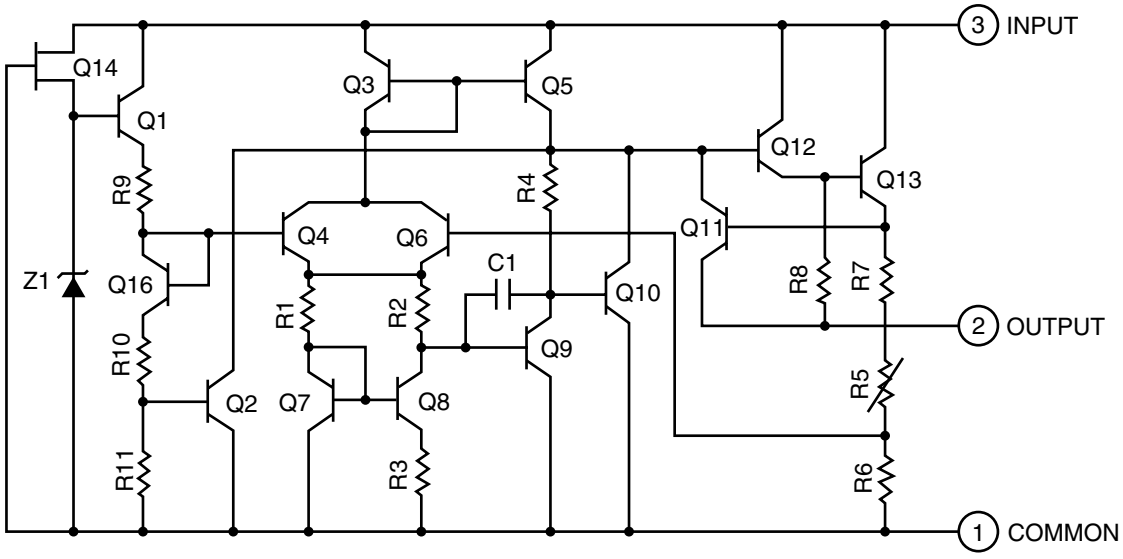
1.Pin layout



2. Pin function

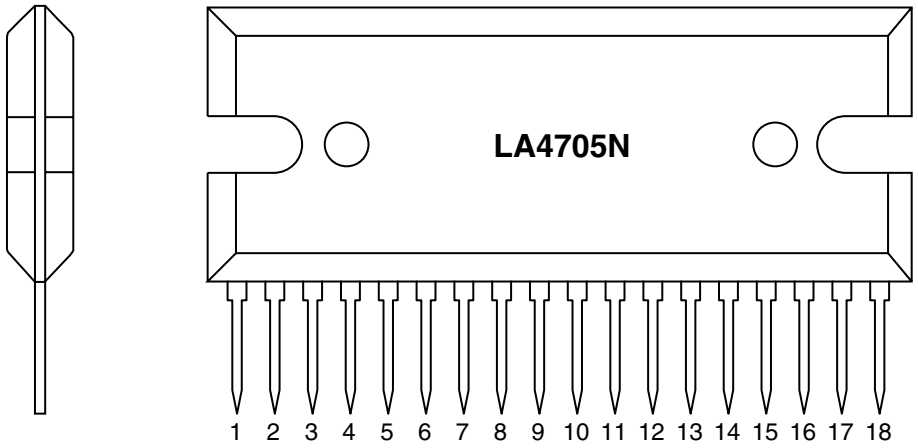
Pin No.	Function
1	Output
2	Common
3	Input

3.Block diagram

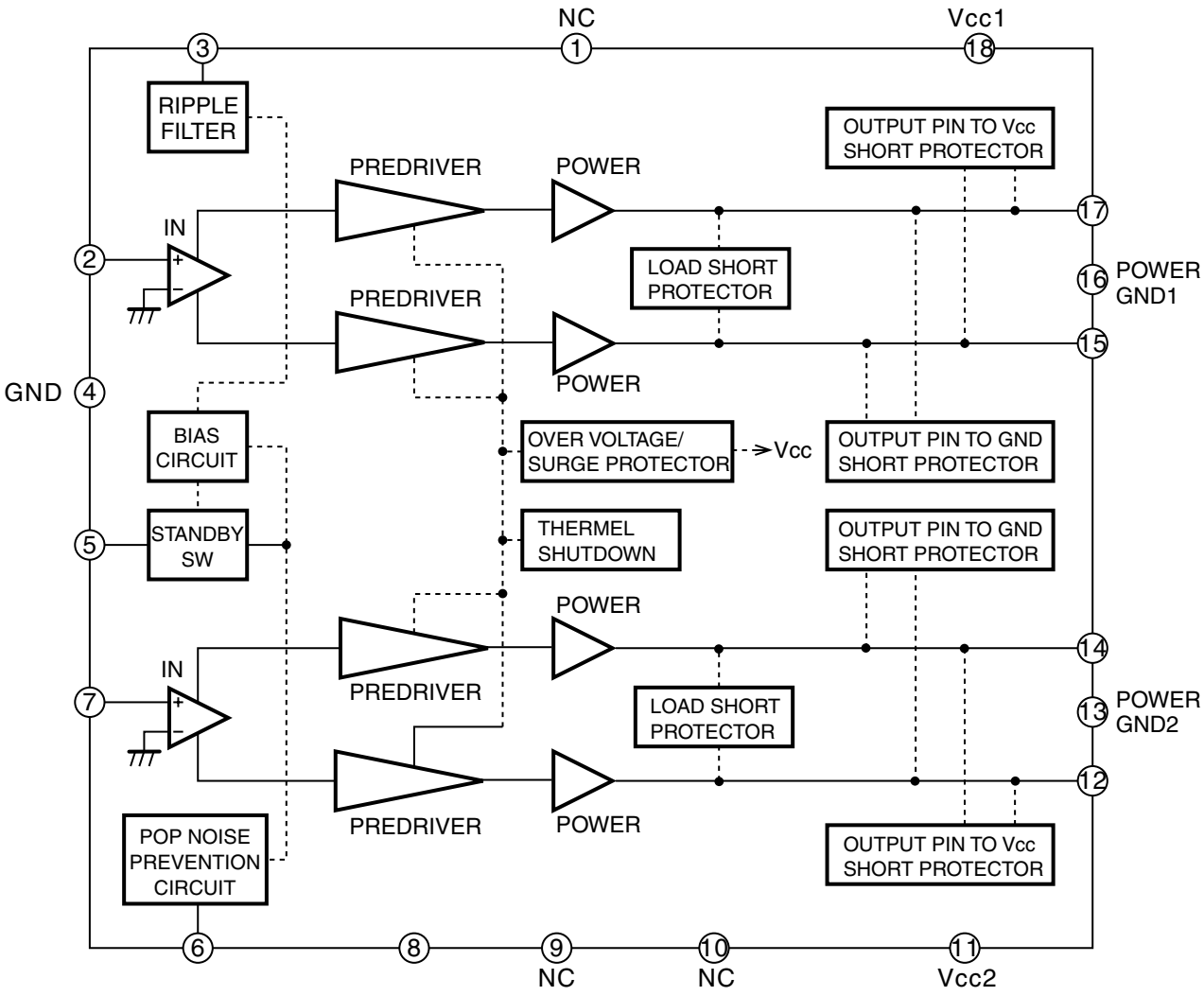


■LA4705NA (IC31) : 2ch BTL power IC

1. Pin layout

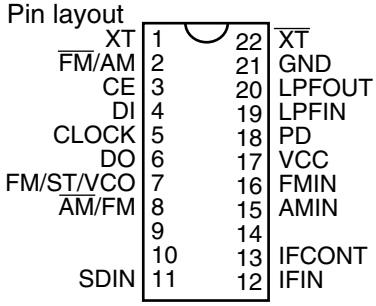


2. Block diagram

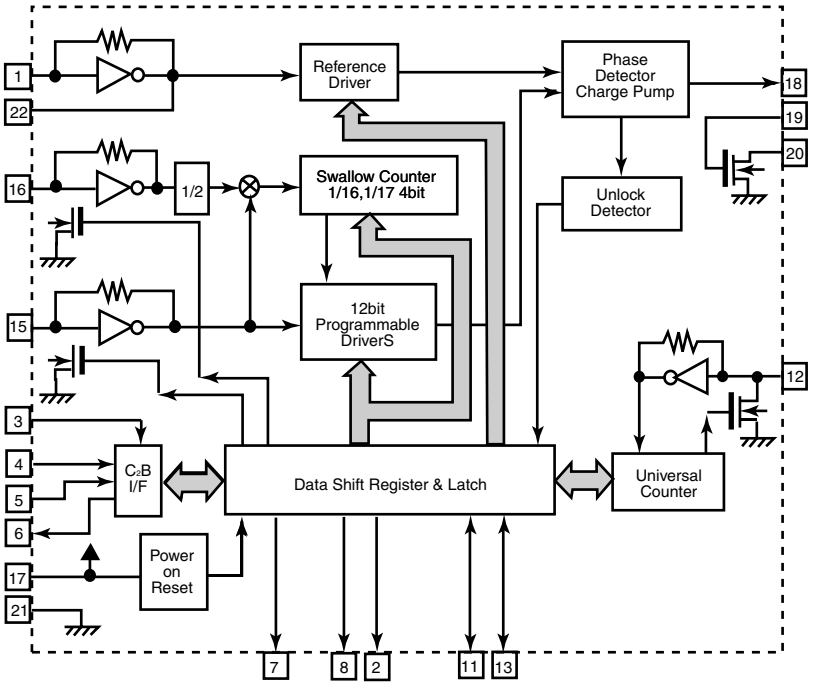


■ LC72136N (IC2) : PLL frequency synthesizer

1. Pin layout



2. Block diagram

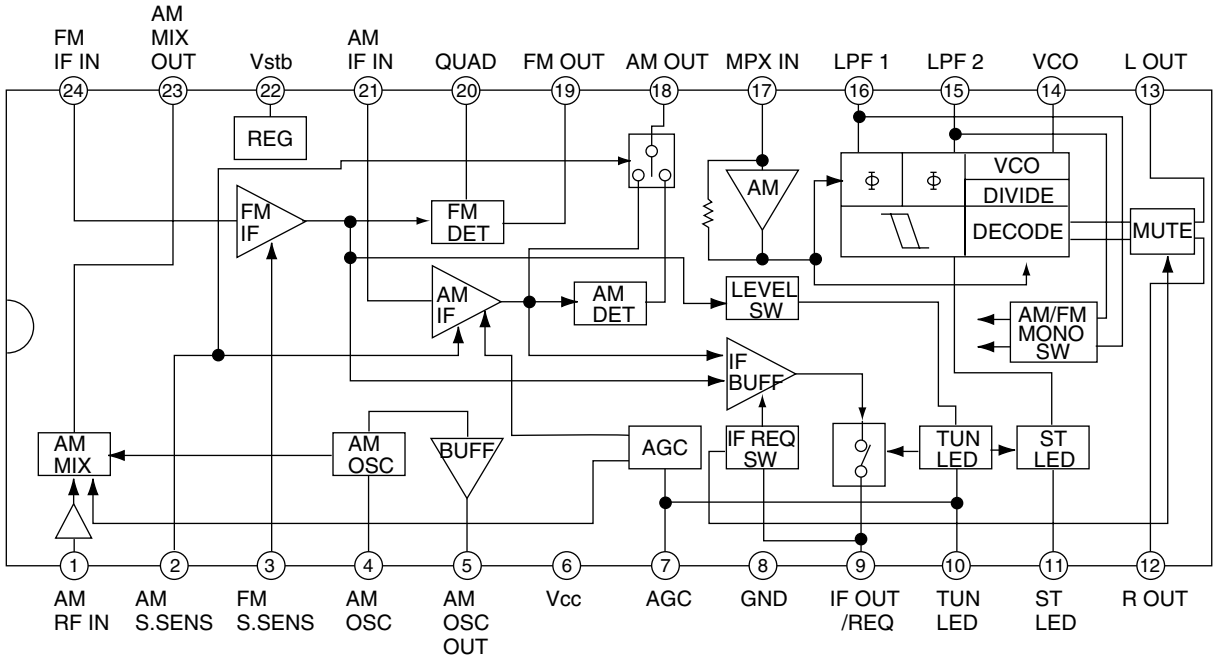


3. Pin function

Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	XT	I	X'tal oscillator connect (75kHz)	12	IFIN	I	IF counter signal input
2	$\overline{FM}$/AM	O	LOW:FM mode	13	IFCONT	O	IF signal output
3	CE	I	When data output/input for 4pin(input) and 6pin(output): H	14		-	Not use
4	DI	I	Input for receive the serial data from controller	15	AMIN	I	AM Local OSC signal output
5	CLOCK	I	Sync signal input use	16	FMIN	I	FM Local OSC signal input
6	DO	O	Data output for Controller Output port	17	VCC	-	Power suplly(VDD=4.5-5.5V) When power ON:Reset circuit move
7	FM/ST/VCO	O	"Low": MW mode	18	PD	O	PLL charge pump output(H: Local OSC frequency Height than Reference frequency. L: Low Agreement: Height impedance)
8	$\overline{AM}$/FM	O	Open state after the power on reset	19	LPFIN	I	Input for active lowpassfilter of PLL
9	LW	I/O	Input/output port	20	LPFOUT	O	Output for active lowpassfilter of PLL
10	MW	I/O	Input/output port	21	GND	-	Connected to GND
11	SDIN	I/O	Data input/output	22	$\overline{XT}$	I	X'tal oscillator(75KHz)

■ TA2057N (IC1) : FM / AM IF AMP & Detector

1.Block d iagrams

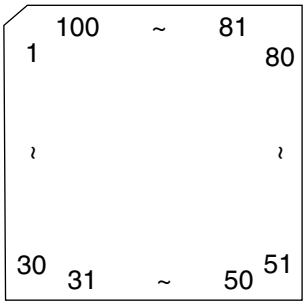


2.Pin function

Pin No.	I/O	Symbol	Function	Pin No.	I/O	Symbol	Function
1	I	AM RF	AMRF signal input	13	O	Lch OUT	Output Lch
2		AM S.SENS		14	O	VCO	Voltage controlled terminal
3		FM S.SENS		15	O	LPF2	When voltage of terminal is MONO
4	-	AM OSC	AM local oscillation circuit				at "H" and ST at "L"
5	O	AM OSC OUT	AM local oscillation signal output	16	O	LPF1	When voltage of terminal is AM at
6	-	VCC	Power supply				"H" and FM at "L"
7	I	AGC	AGC voltage input terminal	17	I	MPX IN	Multi plex signal input
8	-	GND	Connect to GND	18	O	AM OUT	AM detection signal output
9	O	IF OUT	IF REQ signal output to IC2	19	O	FM OUT	FM detection signal output
10	O	TU IND	Indicator drive output when tuning	20	I	FM QUAD	Bypass to FMIF
11	O	ST IND	Stereo indicator output	21	I	AM IF IN	Input of AMIF signal
			"H"mono . "L"stereo	22	-	Vst	Fixed voltage output terminal
12	O	Rch OUT	Output Rch	23	O	AM MIX OUT	Output terminal for AM mixer
				24	I	FM IF IN	Input of FMIF signal

■ UPD78064GF-149 (IC701) : System CPU

1.Pin layout

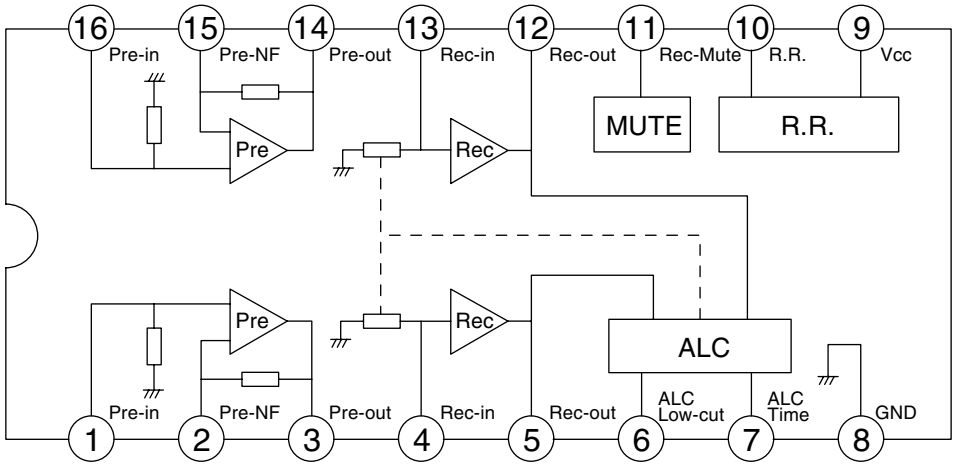


2.Pin function

Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	USDATA	I/O	Serial data	29	URESET/CLOSE	I	[RESET/CLOSE] switch
2	USCK	O	Serial clock	30	USAFETY1	I	Abnormal voltage detection 1
3	UQRIN	I	CD Q code data	31	USAFETY0	I	Abnormal voltage detection 2
4	UNC	-	Non connect	32	UKEY1	I	Body key input 1
5	USQCK	O	CD Q code data synchronizing clock	33	UKEY0	I	Body key input 0
6	ICVSS	-	Connected to VSS	34	UTAPE0	I	Tape switch 0
7	UX2	-	Main system clock	35	UTAPE1	I	Tape switch 1
8	UX1	I	Main system clock	36	AVDD	-	AD converter power supply
9	VDD	-	Power supply	37	UAVREF	-	AD converter reference voltage
10	UXT1	I	Sub system clock	38	UBUP	I	Backup power supply decision
11	UXT2	-	Sub system clock	39	UFTUNER	O	Function tuner
12	URESET	I	Reset	40	VSS	-	GND
13	UREM	I	Remote control	41	UMPX	I	FM stereo detection
14	URDSCK	-	Non connect	42	UPERIOD	O	Tuner PLL strobe
15	UJOG1	I	Jog encoder 1	43	UJOGB	I	JOG encoder 2
16	UBEAT2	O	Main clock selection 2	44	UBASS	O	BASS control
17	UBEAT1	O	Main clock selection 1	45	UTRE	O	TRE control
18	U+BCTL	O	Switched 5V control	46	UVOL	O	VOL.control
19	UXRESET	O	CD LSI reset	47	USBASS	O	AHB on/off
20	UMCLK	O	CD LSI command clock	48	USMUTE	O	System muting
21	UMDATA	O	CD LSI command data	49	UPOUT	O	Power ON/OFF
22	UMLD	O	CD LSI command load	50	UFCD	O	Function CD
23	UPBMUTE	O	Tape playback mute	51~54	COM0~3	O	LCD common
24	ULATCH	O	Tape IC strobe	55	BIAS	-	LCD bias voltage
25	UREEL	I	Tape end detection	56~58	VLC0~2	-	LCD bias voltage
26	UFAUX	O	Function AUX	59	VSS	-	GND
27	UAVSS	-	AD converter GND	60~99	S0~39	O	LCD segment
28	USAFEYCD	I	CD abnormal voltage detection	100	USTATUS	I	LCD LSI status

■ AN7317 (IC32) : Pre Amp.

1. Pin layout & Block diagram

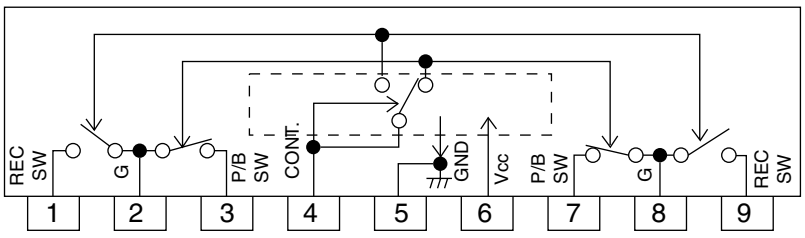


2. Pin function

Pin No.	Function
1	Channel 1 playback amplifier input
2	Channel 1 playback amplifier negative feedback
3	Channel 1 playback amplifier output
4	Channel 1 recording amplifier input
5	Channel 1 recording amplifier output
6	ALC low-cut
7	ALC time
8	Ground
9	Vcc
10	Ripple filter
11	Record amplifier mute
12	Channel 2 record amplifier output
13	Channel 2 record amplifier input
14	Channel 2 playback amplifier output
15	Channel 2 playback amplifier negative feedback
16	Channel 2 playback amplifier input

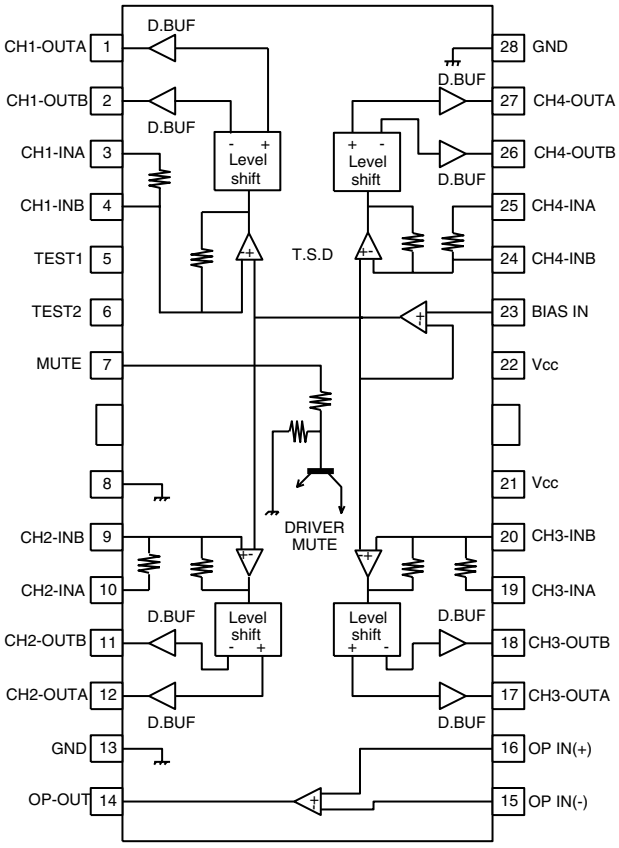
■ BA3126N (IC31) : Head select switch

1. Pin layout & Block diagram

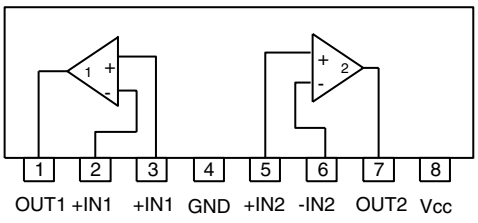


■ BA6897FP (IC602) : 4channel driver

1.Pin layout



■ BA15218N (IC32 / IC35) : Dual Ope. Amp.



UX-T550

JVC

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PERSONAL & MOBILE NETWORK BUSINESS UNIT. 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.20908)

Printed in Japan
200101(V)

PARTS LIST

[UX-T550]

* All printed circuit boards and its assemblies are not available as service parts.

Area suffix

B ---------- U.K.
E ---------- Continental Europe
EN ---------- Northern Europe
EV ---------- Eastern Europe
EE --------- Russian Federation

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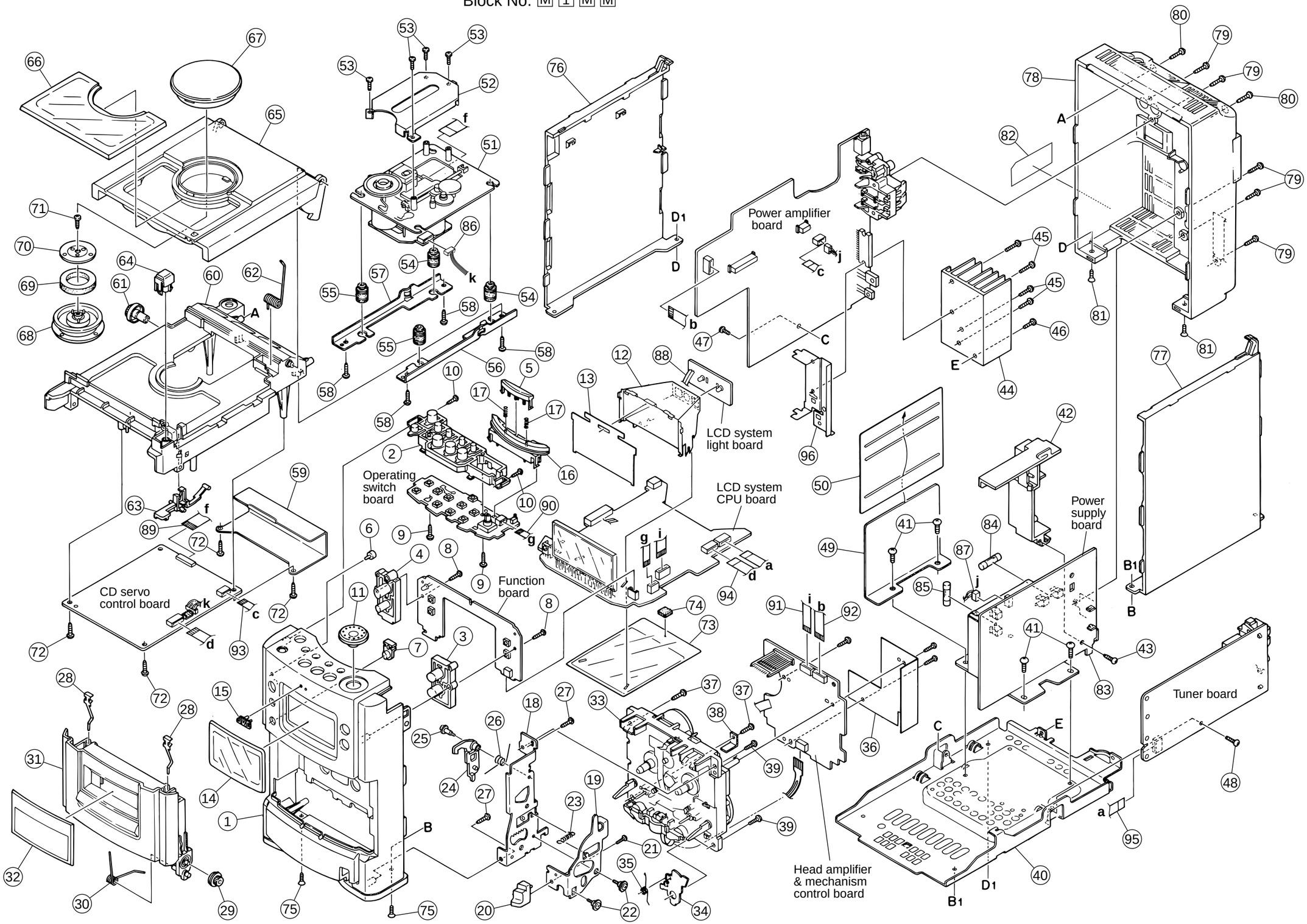
Exploded view of general assembly and parts list ---------- 3- 3
Cassette mechanism assembly and parts list ---------- 3- 5
CD mechanism assembly and parts list ---------- 3- 7
Electrical parts list ---------- 3- 8
Packing materials and accessories parts list ---------- 3-18

< MEMO >

Exploded view of general assembly and parts list

Block No. M 1 M M



■ Parts list (General assembly)

Block No. M1MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	1	VJG1473-024	FRONT PANEL	1	MIPS SPRAY SILK	
	2	VXP3867-003	PUSH BUTTON(A)	1	ABS	
	3	VXP5352-003	PUSH BUTTON(B)	1	ABS	
	4	VXP5353-003	PUSH BUTTON(C)	1	ABS	
	5	VXP5358-003	SNOOZE BUTTON	1		
	6	VJK4493-001SC	LENS(STANDBY)	1		
	7	VJK4504-001	REMOCON LENS	1		
	8	QYSBSF2608Z	T.SCREW	2	FOR F.P+PWB	
	9	QYSBSF3008Z	SCREW	2	BUTTON+PWB	
	10	QYSBSF2608Z	T.SCREW	2	FOR F.P+BUTTON	
	11	VXL4453-003	MULTI JOG DIAL	1	ABS	
	12	VYH3982-001	LAMP CASE	1	SPTE T0.4	
	13	VYTT704-001	LCD FILTER	1	FOR LCD	
	14	VJT4241-003	LCD LENS	1	AS SILK1	
	15	E406971-001SM	JVC MARK	1	GOLD	
	16	VYH8160-003	BUTTON COVER	1		
	17	VKW5306-001	COMP.SPRING	2		
	18	VYH3983-001	DOOR HOLDER	1	EGC T1	
	19	VYH8149-001	EJECT LEVER	1	EGC T1.2	
	20	VXQ4125-003	EJECT KNOB	1	ABS	
	21	QYSBSF2608Z	T.SCREW	1	FOR E.LVR+E.KNOB	
	22	VKZ4323-002	SCREW	2	D.HOLDER+E.LEVER	
	23	VKW3002-274	TENSION SPRING	1	FOF E.LEVER	
	24	VYH7347-001	EJECT ARM	1	POM	
	25	VKZ4341-001	SPECIAL SCREW	1	FOR EJECT ARM	
	26	VKW4938-001	TORTION SPRING	1	FOR EJECT ARM	
	27	QYSBSF3008Z	SCREW	2	F.P+D.HOLDER	
	28	VKY4180-001	CASSETTE SPRING	2		
	29	VYH5601-001	GEAR	1		
	30	VKW5295-001	DOOR SPRING	1	SUS	
	31	LV20361-001A	CASSETTE DOOR	1	MIPS SPRAY	
	32	LV40937-001A	DOOR LENS	1	PMMA SILK*2	
	33	----------	CASSETTE MECHA	1	SLC	
	34	VKL7850-203	EJECT SAFTY(R)	1		
	35	VKW5258-003	TORSION SPRING	1		
	36	VMA4723-001	CHIELD	1		
	37	QYSBSF3010Z	SCREW	2	F.PANEL+MECHA	
	38	VYH8183-001	BRACKET	1	FOR CASSETTE DOOR	
	39	QYSBST3008Z	T.SCREW	2	DOOR HOL+MECHA	
	40	VYH1263-001	BOTTOM CHASSIS	1	EGC T0.8	
	41	QYSBST4006Z	T.SCREW	4	CHASSIS+TRANS	
	42	VYH3984-001	JACK HOLDER	1	ABS FOR	
	43	QYSBSF3010Z	SCREW	1	PWB+JACK HOLDER	
	44	VYH8153-001	RADIATION	1		
	45	QYSBST3012Z	T.SCREW	4	RADI+IC	
	46	QYSBST3006Z	T.SCREW	1	RADI+CHASSIS	
	47	QYSBST3006Z	T.SCREW	1	MAIN PWB+CHASSIS	
	48	QYSBST3006Z	T.SCREW	1	TUNER PWB+CHASSIS	

■ Parts list (General assembly)

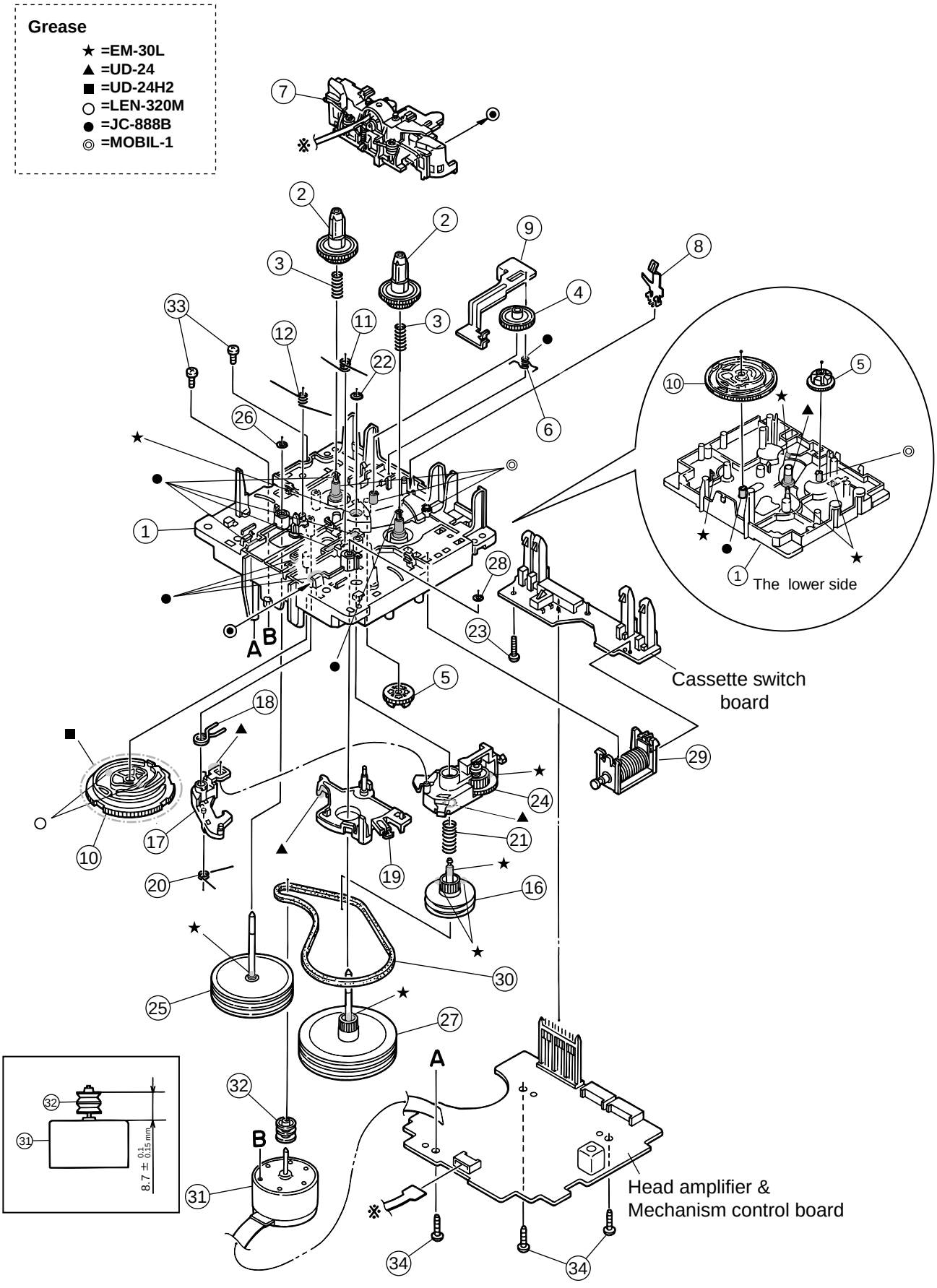
Block No. M1MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	49	VMA3239-001	SHIELD	1		
	50	VMA4720-001	BARRIER	1		
	51	---------	CD MECHA	1		
	52	VJD5410-306	PICK COVER	1		
	53	QYSDSF2006M	SCREW	4	CD MECHA+P.COVER	
	54	FMYH4003-001J	INSULATOR	2		
	55	FMYH4003-002J	INSULATOR	2		
	56	VYH8089-001SC	CD MECHA HOLDER	1		
	57	VYH8089-002SC	CD MECHA HOLDER	1		
	58	QYSBSF3010Z	SCREW	4	CD CASE+M.HOLDER	
	59	VMA4692-002SC	SHIELD	1	FOR CD MECHA WIRE	
	60	VJD1216-003	CD CASE	1	MIPS T2.5 EMBOS	
	61	VYH4769-002SS	GEAR	1		
	62	VKW5276-001	CD DOOR SPRING	1	SUS	
	63	VYH8152-001	LOCK LEVER	1	POM	
	64	VXP5354-004	CD EJECT KNOB	1	ABS	
	65	VJT2385-004	CD DOOR	1	ABS HOT STAMP	
	66	VJT3392-003	CD LENS	1	PMMA	
	67	VJT4245-003	CD ORNAMENT	1		
	68	VYH3726-002SS	CLAMPER	1	ABS	
	69	VYH7313-003	MAGNET	1		
	70	VYH7677-201	YOKE	1	EGC T0.8	
	71	QYSDSF2606Z	SCREW	1	FOR CLAMPER	
	72	QYSBSF3010Z	SCREW	4	CD PWB+CD CASE	
	73	VMA4721-002	SHIELD	1		
	74	GN30006-001A	SPACER	1	FOR SHIELD	
	75	QYSSST3008Z	SCREW	2	CHASSIS+F.PANEL	
	76	VJD2488-006	SIDE PANEL(L)	1		
	77	VJD2489-006	SIDE PANEL(R)	1		
	78	VJG1477-021	REAR PANEL	1		
	79	QYSBSF3010Z	SCREW	5	JACK+R.P	
	80	QYSBSF3010Z	SCREW	2	R.P+CD CASE	
	81	QYSSST3008Z	SCREW	2	FOR R.P+CHASSIS	
	82	GN30024-001A	RATING LABEL	1		B,E,EN,EV
		GN30024-003A	RATING LABEL	1		EE
⚠	83	VTP66J2-12L	POWER TRANS	1	T901	
⚠	84	QMF51E2-R40-J1	FUSE	1	F901	
⚠	85	QMF51E2-5R0-J1	FUSE	1	F903	
	86	SA-Y-6-06-PH-06	CONNECTOR	1		
	87	SC-J-2-10-EH-02	SC-EH WIRE	1		
	88	VWSB02-104K4K	FLAT WIRE	1		
	89	QUQ910-1507AJ	FFC WIRE	1		
	90	QUQB12-0508CJ	FFC WIRE	1		
	91	QUQB12-0914CJ	FFC WIRE	1		
	92	QUQB12-1020CJ	FFC WIRE	1		
	93	QUQB12-0716CJ	FFC WIRE	1		
	94	QUQB12-1106DJ	FFC WIRE	1		
	95	QUQB12-1020CJ	FFC WIRE	1		
	96	VYH3987-001SC	IC HOLDER	1	SPTE T0.4	

Cassette mechanism assembly and parts list

SLC-S11YPM

Block No. M 2 M M



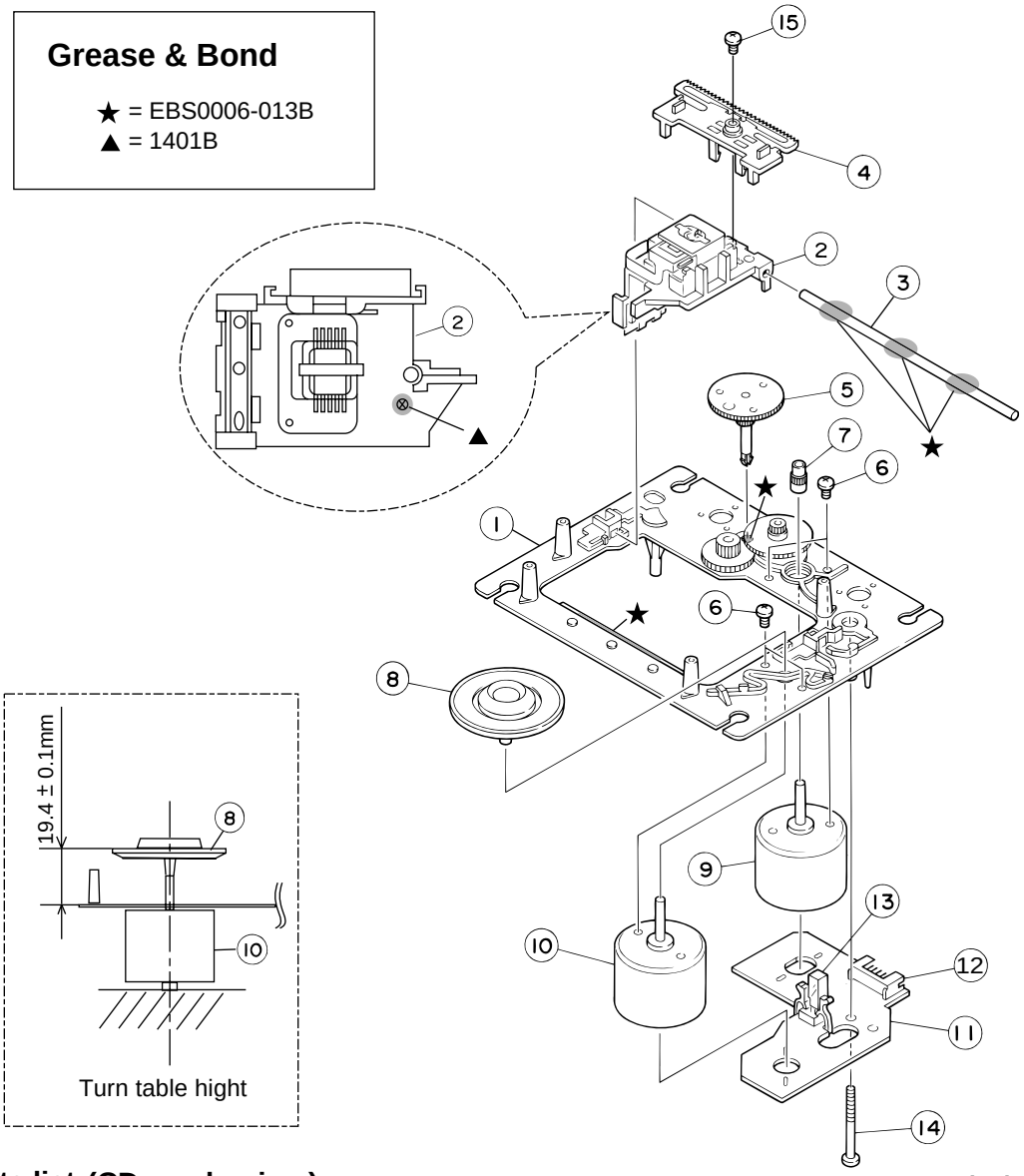
■ Parts list (Cassette mechanism)

Block No. M2MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	1	VKS1165-00J	CHASSIS B.ASS'Y	1		
	2	VKS2274-002	REEL GEAR	2		
	3	VKW5286-002	B.T. SPRING	2		
	4	VKS5559-001	PLAY IDLE GEAR	1		
	5	VKS5597-00B	BLIND	1		
	6	VKW5296-001	EARTH SPRING	1		
	7	SLC-RP1SVM	HEAD MOUNT ASSY	1		
	8	VKY3149-002	CASSETTE SP.	1		
	9	VKM3906-002	PLAY SW.LEVER	1		
	10	VKS1166-003	CONTROL CAM	1		
	11	VKW5279-001	HEAD BASE SP(R)	1		
	12	VKW5280-001	HEAD BASE SP(L)	1		
	16	VKS5603-00G	MAIN PULLEY ASY	1		
	17	VKS3785-001MM	FR ARM	1		
	18	VKW5284-002	SWING SPRING	1		
	19	VKS2278-003	TRIGGER ARM	1		
	20	VKW5301-001	FR SPRING	1		
	21	VKW5266-001	ELEVATOR SPRING	1		
	22	WDL214025	WASHER	1		
	23	QYSBSF2005Z	T.SCREW	1		
	24	VKS3786-00G	CLUTCH ASS'Y	1		
	25	VKF3205-00B	F.WHEEL ASSY(R)	1		
	26	WDL183425	SLIT WASHER	1		
	27	VKF3207-00B	F.WHEEL ASSY(L)	1		
	28	WDL173525-6	SLIT WASHER	1		
	29	VKZ3174-00A	DC SOLENOID	1		
	30	LV42234-001A	CAPSTAN BELT	1		
	31	MSI-5U2LWA	D.C.MOTOR ASS'Y	1		
	32	VKR4761-001	MOTOR PULLEY	1		
	33	QYSPSP2604Z	SCREW	2		
	34	QYSBSF2608Z	T.SCREW	3	FOR P.W.B.	

CD mechanism assembly and parts list

Block No. M 3 M M



■ Parts list (CD mechanism)

Block No. M3MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	1	E102501-331SC	MECHA BASE ASSY	1		
	2	OPTIMA-7B	C.D PICK	1		
	3	E407782-003SC	C.D SHAFT	1		
	4	HQN300031-001PK	CD RACK GEAR	1		
	5	E307745-332SC	MECHA GEAR(3)	1		
	6	QYSDSP2003N	SCREW	4		
	7	E406750-332SC	PINION	1		
	8	EPB-001PK	T.TABLE ASSY	1		
	9	E406784-001	FEED MOTOR	1		
	10	QAR0130-001	SP MOTOR	1		
	11	EMW10190-001	CIR BOARD	1		
	12	QGA2001F1-06	6P PLUG ASSY	1	FOR P011	
	13	QSW0506-001	LEAF SW	1	FOR S001	
	14	E75832-221	SPECIAL SCREW	1	FOR M.CB	
	15	QYSDSF2606Z	SCREW	1		

■ **Electrical parts list (Main board)** **Block No. 01**

⚠	Item	Parts number	Parts name	Remarks	Area
⚠	C 901	QFLC1HJ-104Z	M CAPACITOR	.10MF 5% 50V	
⚠	C 902	QFLC1HJ-104Z	M CAPACITOR	.10MF 5% 50V	
⚠	C 903	QFLC1HJ-104Z	M CAPACITOR	.10MF 5% 50V	
⚠	C 904	QFLC1HJ-104Z	M CAPACITOR	.10MF 5% 50V	
	CN301	QGB1214J1-20S	CONNECTOR		
	CN302	QGB1214J1-06S	CONNECTOR		
	CN303	QGF1205C1-10	CONNECTOR		
	CN304	QGF1201C3-07	CONNECTOR		
	CN801	QGB2016J1-03	CONNECTOR		
	CN802	QGF1201F3-05	CONNECTOR		
	CN901	QGA2501C4-02	CONNECTOR		
⚠	C1000	QDXB1CM-332Y	C CAPACITOR		
	C1001	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C1002	QDX31EM-104Z	C CAPACITOR		
	C1003	QDX31EM-104Z	C CAPACITOR		
	C1006	QETC1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C1007	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C1010	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C1021	QFN31HJ-823Z	M CAPACITOR	.082MF 5% 50V	
	C1022	QFN31HJ-823Z	M CAPACITOR	.082MF 5% 50V	
	C1025	QETC1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C1026	QFVJ1HJ-334Z	M CAPACITOR	.33MF 5% 50V	
	C1041	QDGB1HK-102Y	C CAPACITOR		
	C1050	QCS11HJ-300	C CAPACITOR	30PF 5% 50V	
	C1051	QCS11HJ-100	C CAPACITOR	10PF 5% 50V	
	C1053	QETC1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C1054	QFN31HJ-392Z	M CAPACITOR	3900PF 5% 50V	
	C1055	QETC1EM-475Z-JB	E CAPACITOR	4.7MF 20% 25V	
	C1056	QETC1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C1070	QETC1EM-475Z-JB	E CAPACITOR	4.7MF 20% 25V	
	C1082	QFLC1HJ-563Z	TF CAPACITOR	.056MF 5% 50V	
	C1083	QFLC1HJ-563Z	TF CAPACITOR	.056MF 5% 50V	
	C1084	QFN31HJ-472Z	M CAPACITOR	4700PF 5% 50V	
	C2000	QDXB1CM-332Y	C CAPACITOR		
	C2001	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C2002	QDX31EM-104Z	C CAPACITOR		
	C2003	QDX31EM-104Z	C CAPACITOR		
	C2006	QETC1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C2007	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C2010	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C2021	QFN31HJ-823Z	M CAPACITOR	.082MF 5% 50V	
	C2022	QFN31HJ-823Z	M CAPACITOR	.082MF 5% 50V	
	C2025	QETC1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C2026	QFVJ1HJ-334Z	M CAPACITOR	.33MF 5% 50V	
	C2041	QDGB1HK-102Y	C CAPACITOR		
	C2050	QCS11HJ-300	C CAPACITOR	30PF 5% 50V	
	C2051	QCS11HJ-100	C CAPACITOR	10PF 5% 50V	
	C2053	QETC1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C2054	QFN31HJ-392Z	M CAPACITOR	3900PF 5% 50V	
	C2055	QETC1EM-475Z-JB	E CAPACITOR	4.7MF 20% 25V	
	C2056	QETC1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C2070	QETC1EM-475Z-JB	E CAPACITOR	4.7MF 20% 25V	
	C2082	QFLC1HJ-563Z	TF CAPACITOR	.056MF 5% 50V	
	C2083	QFLC1HJ-563Z	TF CAPACITOR	.056MF 5% 50V	
	C2084	QFN31HJ-472Z	M CAPACITOR	4700PF 5% 50V	
⚠	C3001	QETM1EM-688	E CAPACITOR	6800MF 20% 25V	
	C3002	QFLC1HJ-104Z	M CAPACITOR	.10MF 5% 50V	
	C3003	QETC1CM-107Z-JB	E CAPACITOR	100MF 20% 16V	
	C3004	QETC1AM-337Z-JB	E CAPACITOR	330MF 20% 10V	
	C3005	QETC1AM-336Z-JB	E CAPACITOR	33MF 20% 10V	
	C3006	QETC1HM-225Z-JB	E CAPACITOR	2.2MF 20% 50V	
	C3010	QETC1HM-684Z	E CAPACITOR	.68MF 20% 50V	
	C3011	QDYB1CM-103Y	C CAPACITOR		

⚠	Item	Parts number	Parts name	Remarks	Area
	C3021	QETC1CM-476Z-JB	E CAPACITOR	47MF 20% 16V	
	C3022	QETC1AM-476Z-JB	E CAPACITOR	47MF 20% 10V	
	C3031	QETC1HM-105Z-JB	E CAPACITOR	1.0MF 20% 50V	
	C3032	QETC1HM-105Z-JB	E CAPACITOR	1.0MF 20% 50V	
	C3033	QFLC1HJ-563Z	TF CAPACITOR	.056MF 5% 50V	
	C3034	QFLC1HJ-563Z	TF CAPACITOR	.056MF 5% 50V	
	C3035	QETC1HM-105Z-JB	E CAPACITOR	1.0MF 20% 50V	
	C3036	QETC1CM-106Z-JB	E CAPACITOR	10MF 20% 16V	
	C3037	QETC1CM-106Z-JB	E CAPACITOR	10MF 20% 16V	
	C3038	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V	
	C3041	QETC1EM-106Z-JB	E CAPACITOR	10MF 20% 25V	
	C3051	QETC1CM-476Z-JB	E CAPACITOR	47MF 20% 16V	
	C3052	QETC1CM-476Z-JB	E CAPACITOR	47MF 20% 16V	
	C3070	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C3081	QETC1CM-227Z-JB	E CAPACITOR	220MF 20% 16V	
	C3083	QETC1HM-474Z-JB	E CAPACITOR	.47MF 20% 50V	
	C3084	QETC1HM-474Z-JB	E CAPACITOR	.47MF 20% 50V	
	C3085	QETC1HM-474Z-JB	E CAPACITOR	.47MF 20% 50V	
	C3086	QETC1EM-106Z-JB	E CAPACITOR	10MF 20% 25V	
	C3087	QETC1HM-224Z-JB	E CAPACITOR	.22MF 20% 50V	
	C8011	QDYB1CM-103Y	C CAPACITOR		
	C8012	QDYB1CM-103Y	C CAPACITOR		
	C9001	QETC1CM-226Z-JB	E CAPACITOR	22MF 20% 16V	
	C9003	QDYB1CM-103Y	C CAPACITOR		
	C9004	QCBB1HK-221Y	C CAPACITOR	220PF 10% 50V	
	C9201	QETC1CM-476Z-JB	E CAPACITOR	47MF 20% 16V	
	C9202	QDYB1CM-103Y	C CAPACITOR		
	C9203	QETC1CM-106Z-JB	E CAPACITOR	10MF 20% 16V	
	C9301	QETC1AM-107Z-JB	E CAPACITOR	100MF 20% 10V	
	C9302	QETC1HM-475Z-JB	E CAPACITOR	4.7MF 20% 50V	
	C9501	QETC1AM-477Z-JB	E CAPACITOR	470MF 20% 10V	
⚠	D 901	6A10E2	SI DIODE		
⚠	D 902	6A10E2	SI DIODE		
⚠	D 903	6A10E2	SI DIODE		
⚠	D 904	6A10E2	SI DIODE		
⚠	D 905	6A10E2	SI DIODE		
	D3021	MTZJ4.3B-T2	ZENER DIODE		
	D3031	1SS254-T2	SI DIODE		
	D3032	1SS254-T2	SI DIODE		
	D3033	1SS254-T2	SI DIODE		
	D3034	1SS254-T2	SI DIODE		
	D3070	MTZJ6.8B-T2	NER DIODE		
	D8101	L-34ID-T12	LED	STANDBY LED RED	
	D9001	1SS254-T2	SI DIODE		
	D9002	MTZJ8.2C-T2	ZENER DIODE		
	D9003	MTZJ10A-T2	ZENER DIODE		
	D9201	MTZJ4.3B-T2	ZENER DIODE		
	D9301	MTZJ3.9B-T2	Z DIODE		
	D9302	1SS254-T2	SI DIODE		
	D9303	1SS254-T2	SI DIODE		
	D9501	1SS254-T2	SI DIODE		
⚠	IC 31	LA4705NA	IC		
	IC 32	BA15218N	IC		
	IC 35	BA15218N	IC		
	IC 38	BH3852S	IC		
⚠	J 901	QNC0001-001	AC INRET		
⚠	J 902	QNA0016-001	DC JACK		
	JS801	QSW0547-001	ROTARY ENCODER		
	J3001	QNN0090-001	PIN JACK		
	J3002	QNB0035-001	SPK TERMINAL		
	J3003	QNS0072-001	HEADPHONE JACK		
	K9401	QQR0786-001Z	INDUCTOR		
⚠	L 901	QQR1145-001	LINE FILTER		

■ **Electrical parts list (Main board)** **Block No. 01**

⚠	Item	Parts number	Parts name	Remarks	Area
	L1001	QQL231K-470Y	INDUCTOR		
	L1002	QQR0868-001Z	INDUCTOR		
	L1003	QQR0797-001	INDUCTOR		
	L2001	QQL231K-470Y	INDUCTOR		
	L2002	QQR0868-001Z	INDUCTOR		
	L2003	QQR0797-001	INDUCTOR		
	L3001	QQL231K-470Y	INDUCTOR		
	L3070	QQR0868-001Z	INDUCTOR		
	O1010	2SD2144S/VW/-T	TRANSISTOR		
	Q1031	KTC3199/GL/-T	TRANSISTOR		
	O1041	KTC3203/OY/-T	TRANSISTOR		
	O1070	KTC3199/GL/-T	TRANSISTOR		
	O2010	2SD2144S/VW/-T	TRANSISTOR		
	O2031	KTC3199/GL/-T	TRANSISTOR		
	O2041	KTC3203/OY/-T	TRANSISTOR		
	O2070	KTC3199/GL/-T	TRANSISTOR		
	O3010	KTC3199/GL/-T	TRANSISTOR		
	O3041	KRA101M-T	TRANSISTOR		
	O3070	KRA101M-T	TRANSISTOR		
⚠	O9001	2SB1565/EF/	TRANSISTOR		
	O9002	KTC3199/GL/-T	TRANSISTOR		
	O9003	KTA1267/YG/-T	TRANSISTOR		
	O9004	KRC114M-T	TRANSISTOR		
	O9005	KRA114M-T	TRANSISTOR		
	O9006	KTC3199/GL/-T	TRANSISTOR		
	O9007	KTC3199/GL/-T	TRANSISTOR		
⚠	O9201	2SA1359/OY/	TRANSISTOR		
	O9202	KTC3199/GL/-T	TRANSISTOR		
	O9301	KTA1267/YG/-T	TRANSISTOR		
	Q9302	KTC3199/GL/-T	TRANSISTOR		
	O9501	KTC3203/OY/-T	TRANSISTOR		
	R1001	QRE141J-2R2Y	C RESISTOR	2.2 5% 1/4W	
	R1002	QRE141J-2R2Y	C RESISTOR	2.2 5% 1/4W	
	R1003	QRE141J-151Y	C RESISTOR	150 5% 1/4W	
	R1004	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R1010	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1011	QRE141J-224Y	C RESISTOR	220K 5% 1/4W	
	R1012	QRE141J-623Y	C RESISTOR	62K 5% 1/4W	
	R1013	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R1014	QRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R1015	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R1022	QRE141J-224Y	C RESISTOR	220K 5% 1/4W	
	R1023	QRE141J-182Y	C RESISTOR	1.8K 5% 1/4W	
	R1024	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R1026	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R1027	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1028	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R1029	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R1031	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R1032	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R1033	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1041	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R1051	QRE141J-154Y	C RESISTOR	150K 5% 1/4W	
	R1052	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1054	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R1055	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1056	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R1057	QRE141J-124Y	C RESISTOR	120K 5% 1/4W	
	R1070	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R1071	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R1072	QRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R1073	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1074	QRE141J-152Y	C RESISTOR	1.5K 5% 1/4W	

⚠	Item	Parts number	Parts name	Remarks	Area
	R1082	QRE141J-302Y	C RESISTOR	3.0K 5% 1/4W	
	R1083	QRE141J-182Y	C RESISTOR	1.8K 5% 1/4W	
	R1091	QRE141J-333Y	C RESISTOR	33K 5% 1/4W	
	R1093	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R2001	QRE141J-2R2Y	C RESISTOR	2.2 5% 1/4W	
	R2002	QRE141J-2R2Y	C RESISTOR	2.2 5% 1/4W	
	R2003	QRE141J-151Y	C RESISTOR	150 5% 1/4W	
	R2004	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R2010	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R2011	QRE141J-224Y	C RESISTOR	220K 5% 1/4W	
	R2012	QRE141J-623Y	C RESISTOR	62K 5% 1/4W	
	R2013	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R2014	QRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R2015	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R2022	QRE141J-224Y	C RESISTOR	220K 5% 1/4W	
	R2023	QRE141J-182Y	C RESISTOR	1.8K 5% 1/4W	
	R2024	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R2026	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R2027	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R2028	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R2029	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R2031	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R2032	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R2033	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R2041	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R2051	QRE141J-154Y	C RESISTOR	150K 5% 1/4W	
	R2052	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R2054	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R2055	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R2056	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R2057	QRE141J-124Y	C RESISTOR	120K 5% 1/4W	
	R2070	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R2071	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R2072	QRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R2073	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R2074	QRE141J-152Y	C RESISTOR	1.5K 5% 1/4W	
	R2082	QRE141J-302Y	C RESISTOR	3.0K 5% 1/4W	
	R2083	QRE141J-182Y	C RESISTOR	1.8K 5% 1/4W	
	R2091	QRE141J-333Y	C RESISTOR	33K 5% 1/4W	
	R2093	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R3001	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R3010	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R3021	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
	R3022	QRE141J-152Y	C RESISTOR	1.5K 5% 1/4W	
	R3031	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R3032	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R3033	QRE141J-124Y	C RESISTOR	120K 5% 1/4W	
	R3034	QRE141J-154Y	C RESISTOR	150K 5% 1/4W	
	R3035	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R3036	QRE141J-513Y	C RESISTOR	51K 5% 1/4W	
	R3051	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
	R3052	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R3053	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R3081	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
	R3082	QRE141J-124Y	C RESISTOR	120K 5% 1/4W	
	R3083	QRE141J-154Y	C RESISTOR	150K 5% 1/4W	
	R3084	QRE141J-124Y	C RESISTOR	120K 5% 1/4W	
	R8001	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R8002	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R8003	QRE141J-122Y	C RESISTOR	1.2K 5% 1/4W	
	R8005	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	EE
	R8011	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R8012	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	

■ **Electrical parts list (Main board)** **Block No. 01**

⚠	Item	Parts number	Parts name	Remarks	Area
	R8013	QRE141J-122Y	C RESISTOR	1.2K 5% 1/4W	
	R8014	QRE141J-152Y	C RESISTOR	1.5K 5% 1/4W	
	R8015	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R8016	QRE141J-272Y	C RESISTOR	2.7K 5% 1/4W	
	R8017	QRE141J-392Y	C RESISTOR	3.9K 5% 1/4W	
	R8018	QRE141J-562Y	C RESISTOR	5.6K 5% 1/4W	
	R8019	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R8101	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R9001	QRE141J-1R0Y	C RESISTOR	1.0 5% 1/4W	
	R9002	QRE141J-1R0Y	C RESISTOR	1.0 5% 1/4W	
	R9003	QRE141J-1R0Y	C RESISTOR	1.0 5% 1/4W	
	R9004	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R9005	QRE141J-152Y	C RESISTOR	1.5K 5% 1/4W	
	R9006	QRE141J-242Y	C RESISTOR	2.4K 5% 1/4W	
	R9007	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R9008	QRE141J-682Y	C RESISTOR	6.8K 5% 1/4W	
	R9009	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R9010	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R9011	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R9012	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R9013	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R9014	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R9016	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R9017	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R9018	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R9019	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R9021	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
⚠	R9102	QRZ9006-5R6X	F RESISTOR	5.6 1/0W	
	R9201	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R9202	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R9203	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R9301	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R9302	QRE141J-333Y	C RESISTOR	33K 5% 1/4W	
	R9303	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R9304	QRE141J-390Y	C RESISTOR	39 5% 1/4W	
⚠	R9401	QRZ9006-4R7X	F RESISTOR	4.7 1/0W	
	R9501	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	S8001	QSW0622-001Z	TACT SWITCH	POWER	
	S8002	QSW0622-001Z	TACT SWITCH	AUX	
	S8003	QSW0622-001Z	TACT SWITCH	VOLUME+	
	S8004	QSW0622-001Z	TACT SWITCH	VOLUME-	
	S8011	QSW0622-001Z	TACT SWITCH	TUNER	
	S8012	QSW0622-001Z	TACT SWITCH	UP	
	S8013	QSW0622-001Z	TACT SWITCH	STOP	
	S8014	QSW0622-001Z	TACT SWITCH	TAPE	
	S8015	QSW0622-001Z	TACT SWITCH	CD	
	S8016	QSW0622-001Z	TACT SWITCH	DOWN	
	S8017	QSW0622-001Z	TACT SWITCH	CLOCK	
	S8018	QSW0622-001Z	TACT SWITCH	REC	
	S8019	QSW0622-001Z	TACT SWITCH	SBASS	
	S8020	QSW0622-001Z	TACT SWITCH	SNOOSE	
	S8061	QSW0122-001	PUSH SWITCH	CD DOOR	
	Z 901	QNG0003-001Z	FUSE CLIP		
	Z 903	QNG0003-001Z	FUSE CLIP		
	Z 911	QNG0003-001Z	FUSE CLIP		
	Z 913	QNG0003-001Z	FUSE CLIP		

■ **Electrical parts list (CD servo control board)** **Block No. 02**

⚠	Item	Parts number	Parts name	Remarks	Area
	C 604	QEK61AM-107Z-JB	E CAPACITOR	100MF 20% 10V	
	C 605	QETC1EM-106Z-JB	E CAPACITOR	10MF 20% 25V	
	C 606	QDGB1HK-102Y	C CAPACITOR		
	C 607	QDGB1HK-102Y	C CAPACITOR		
	C 608	QETC1HM-105Z-JB	E CAPACITOR	1.0MF 20% 50V	
	C 609	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 610	QFN31HJ-273Z	M CAPACITOR	.027MF 5% 50V	
	C 611	QDXB1CM-472Y	C CAPACITOR		
	C 612	QDYB1CM-103Y	C CAPACITOR		
	C 613	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 614	QFLC1HJ-104Z	M CAPACITOR	.10MF 5% 50V	
	C 615	QDVB1EZ-223Y	C CAPACITOR		
	C 616	QDVB1EZ-223Y	C CAPACITOR		
	C 617	QDVB1EZ-223Y	C CAPACITOR		
	C 618	QDXB1CM-222Y	C CAPACITOR		
	C 619	QCBB1HK-271Y	C CAPACITOR	270PF 10% 50V	
	C 620	QCBB1HK-181Y	C CAPACITOR	180PF 10% 50V	
	C 622	QETC1AM-476Z-JB	E CAPACITOR	47MF 20% 10V	
	C 623	QFLC1HJ-104Z	M CAPACITOR	.10MF 5% 50V	
	C 624	QDVB1EZ-223Y	C CAPACITOR		
	C 628	QDX31EM-473Z	C CAPACITOR		
	C 629	QETC1AM-107Z-JB	E CAPACITOR	100MF 20% 10V	
	C 631	QETC1AM-477Z-JB	E CAPACITOR	470MF 20% 10V	
	C 632	QEK61AM-107Z-JB	E CAPACITOR	100MF 20% 10V	
	C 633	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 634	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 635	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 636	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 637	QDYB1CM-822Y	C CAPACITOR		
	C 651	QCSB1HJ-120Y	C CAPACITOR	12PF 5% 50V	
	C 652	QCS11HJ-150	C CAPACITOR	15PF 5% 50V	
	C 653	QDVB1EZ-223Y	C CAPACITOR		
	C 655	QDX31EM-473Z	C CAPACITOR		
	C 661	QCBB1HK-471Y	C CAPACITOR	470PF 10% 50V	
	C 662	QDVB1EZ-223Y	C CAPACITOR		
	C 663	QFN31HJ-223Z	M CAPACITOR	.022MF 5% 50V	
	C 664	QDVB1EZ-223Y	C CAPACITOR		
	C 665	QFVJ1HJ-104Z	MF CAPACITOR	.10MF 5% 50V	
	C 671	QDXB1CM-152Y	C CAPACITOR		
	C 672	QDXB1CM-152Y	C CAPACITOR		
	C 673	QETC1CM-227Z	E CAPACITOR	220MF 20% 16V	
	C 674	QDVB1EZ-223Y	C CAPACITOR		
	C 675	QDGB1HK-102Y	C CAPACITOR		
	C 676	QDGB1HK-102Y	C CAPACITOR		
	C 691	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V	
	C 692	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V	
	C 693	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V	
	CN601	QGF1008F1-15	21-41 CONNECTOR	TO RF	
	CN603	QGF1201F3-07	CONNECTOR	TO AUDIO	
	CN604	QGF1201F3-11	CONNECTOR	TO MICON	
	CN605	QGA2501F1-03	CONNECTOR	TO DIGITAL OUT	
	D 661	1SS254-T2	SI DIODE		
	IC601	AN8806SB	IC	RF AMP	
	IC602	BA6897FP	IC		
	IC603	MN35510	IC		
	O 601	2SA952/LK/-T	TRANSISTOR		
	O 631	2SA952/LK/-T	TRANSISTOR		
	R 601	QRE141J-113Y	C RESISTOR	11K 5% 1/4W	
	R 603	QRE141J-125Y	C RESISTOR	1.2M 5% 1/4W	
	R 605	QRE141J-274Y	C RESISTOR	270K 5% 1/4W	
	R 606	QRE141J-154Y	C RESISTOR	150K 5% 1/4W	
	R 607	QRE141J-273Y	C RESISTOR	27K 5% 1/4W	
	R 609	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	

⚠	Item	Parts number	Parts name	Remarks	Area
	R 610	QRE141J-154Y	C RESISTOR	150K 5% 1/4W	
	R 612	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 613	QRE141J-121Y	C RESISTOR	120 5% 1/4W	
	R 614	QRE141J-100Y	C RESISTOR	10 5% 1/4W	
	R 615	QRE141J-120Y	C RESISTOR	12 5% 1/4W	
	R 616	QRE141J-910Y	C RESISTOR	91 5% 1/4W	
	R 621	QRE141J-330Y	C RESISTOR	33 5% 1/4W	
	R 622	QRE141J-330Y	C RESISTOR	33 5% 1/4W	
	R 623	QRE141J-330Y	C RESISTOR	33 5% 1/4W	
	R 631	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R 632	QRE141J-101Y	C RESISTOR	100 5% 1/4W	
	R 633	QRE141J-273Y	C RESISTOR	27K 5% 1/4W	
	R 634	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R 641	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R 642	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R 643	QRE141J-822Y	C RESISTOR	8.2K 5% 1/4W	
	R 644	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R 645	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R 646	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R 647	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 651	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 652	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 653	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 654	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 655	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 659	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 661	QRE141J-683Y	C RESISTOR	68K 5% 1/4W	
	R 662	QRE141J-155Y	C RESISTOR	1.5M 5% 1/4W	
	R 663	QRE141J-124Y	C RESISTOR	120K 5% 1/4W	
	R 664	QRE141J-471Y	C RESISTOR	470 5% 1/4W	
	R 666	QRE141J-220Y	C RESISTOR	22 5% 1/4W	
	R 671	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 672	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 681	QRE141J-474Y	C RESISTOR	470K 5% 1/4W	
	X 651	QAX0378-001	RESONATOR	16.9344MHZ	

■ **Electrical parts list (LCD system & CPU board)** **Block No. 03**

⚠	Item	Parts number	Parts name	Remarks	Area
	BL701	QLL0044-001	P LAMP		
	BL702	QLL0044-001	P LAMP		
	CN701	QGF1201F3-10	CONNECTOR	TO TUNER PWB	
	CN711	QGB1214K1-20S	CONNECTOR	TO AMP PWB CONT	
	CN712	QGB1214K1-06S	CONNECTOR	TO AMP PWB SIG.	
	CN731	QGF1201C3-09	CONNECTOR	TO MECHA PWB	
	CN766	QGF1201F3-11	CONNECTOR	TO CD PWB	
	CN781	QGB2016K1-03	CONNECTOR	TO FRONT SW PWB	
	CN782	QGF1201C3-05	FFC CONNE	TO TOP SW PWB	
	C7001	NCS21HJ-180X	C CAPACITOR		
	C7002	NCS21HJ-180X	C CAPACITOR		
	C7003	NCB21HK-102X	C CAPACITOR		
	C7004	NCS21HJ-360X	C CAPACITOR		
	C7005	NCS21HJ-390X	C CAPACITOR		
	C7006	NCS21HJ-200X	C CAPACITOR		
	C7007	NCS21HJ-220X	C CAPACITOR		
	C7008	NCB21HK-102X	C CAPACITOR		
	C7009	NCB21HK-102X	C CAPACITOR		
	C7011	QER41AM-107	E CAPACITOR	100MF 20% 10V	
	C7012	NCB21HK-103X	C CAPACITOR		
	C7013	QFLC1HJ-104Z	M CAPACITOR	.10MF 5% 50V	
	C7014	QER41CM-106	E CAPACITOR	10MF 20% 16V	
	C7021	QER41CM-476	E CAPACITOR	47MF 20% 16V	
	C7022	NCB21HK-102X	C CAPACITOR		
	C7031	QETB0JM-228	E CAPACITOR	2200MF 20% 6.3V	
	C7051	QER61HM-684Z	E CAPACITOR	.68MF 20% 50V	
	C7052	QER61HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C7081	NCB21EK-104X	C CAPACITOR		
	C7601	NCS21HJ-151X	C CAPACITOR		
	C7602	NCS21HJ-151X	C CAPACITOR		
	C7619	NCS21HJ-271X	C CAPACITOR		
	C7620	NCS21HJ-271X	C CAPACITOR		
	C7621	NCS21HJ-271X	C CAPACITOR		
	C7622	NCS21HJ-271X	C CAPACITOR		
	C7633	NCB21HK-102X	C CAPACITOR		
	C7641	NCS21HJ-151X	C CAPACITOR		
	C7644	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C7646	QER41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C7701	NCS21HJ-151X	C CAPACITOR		
	C7702	NCS21HJ-151X	C CAPACITOR		
	C7705	NCS21HJ-331X	C CAPACITOR		
	C7723	NCB21HK-102X	C CAPACITOR		
	C7724	NCB21HK-102X	C CAPACITOR		
	C7734	NCB21HK-102X	C CAPACITOR		
	C7744	QER61HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C7745	QER61HM-335Z	E CAPACITOR	3.3MF 20% 50V	
	C7746	QER61HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C7802	NCB21HK-103X	C CAPACITOR		
	C7803	NCB21HK-102X	C CAPACITOR		
	C7810	NCB21HK-103X	C CAPACITOR		
	DI701	QLD0042-001	LCD	44PIN	
	D7001	1SS254-T2	SI DIODE	US5V	
⚠	D7011	MTZJ8.2B-T2	DIODE	SHORT HOGO	
⚠	D7012	1SS254-T2	SI DIODE	SHORT HOGO	
	D7031	1SS254-T2	SI DIODE	BUCKUP	
	D7032	1SS254-T2	SI DIODE	CLOCK	
	D7051	1SS254-T2	SI DIODE	RESET	
	D7061	MTZJ5.1C-T2	ZENER DIODE	BUCKUP CONT.	
	D7091	1SS254-T2	SI DIODE	US5V	
	IC701	UPD78064GF-149	IC		
	IC702	PIC-21043SP	REMOKON SENSOR		
⚠	IC703	KIA78S06P	IC	US6V REG	
	K7001	QQR0786-001Z	INDUCTOR	ICVSS	

⚠	Item	Parts number	Parts name	Remarks	Area
	K7002	QQR0786-001Z	INDUCTOR	AVSS	
	K7003	QQR0786-001Z	INDUCTOR		
	K7004	QQR0786-001Z	INDUCTOR		
	L7002	QQL01BK-100Z	INDUCTOR	US5V	
	L7003	QQL01BK-100Z	INDUCTOR	AVDD	
	L7005	QQL231K-4R7Y	INDUCTOR	AVREF	
	L7701	QQL231K-4R7Y	INDUCTOR		
	L7702	QQL231K-4R7Y	INDUCTOR		
	O7001	2SC2668/O/-T	TRANSISTOR	CLOCK SHIFT	
	Q7002	2SC2668/O/-T	TRANSISTOR	CLOCK SHIFT	
	O7031	2SA1037AK/RS/-X	TRANSISTOR	SW5V	
	O7051	DTC114TKA-X	TRANSISTOR	RESET SW	
	O7061	2SC2412K/R/-X	TRANSISTOR	BACKUP CONT	
	O7091	2SC2412K/R/-X	TRANSISTOR	POUT DRIVER	
	O7092	2SA1037AK/RS/-X	TRANSISTOR	STANDBY LED CON	
	O7601	DTC144TKA-X	TRANSISTOR		
	O7602	DTC144TKA-X	TRANSISTOR		
	O7603	2SC2412K/R/-X	TRANSISTOR		
	R7005	NRSA02J-822X	MG RESISTOR		
	R7006	NRSA02J-822X	MG RESISTOR		
	R7031	NRSA02J-331X	MG RESISTOR		
	R7032	NRSA02J-103X	MG RESISTOR		
	R7033	NRSA02J-102X	MG RESISTOR		
	R7051	NRSA02J-103X	MG RESISTOR		
	R7052	NRSA02J-103X	MG RESISTOR		
	R7061	NRSA02J-333X	MG RESISTOR		
	R7062	NRSA02J-473X	MG RESISTOR		
	R7063	NRSA02J-104X	MG RESISTOR		
	R7081	NRSA02J-104X	MG RESISTOR		
	R7082	NRSA02J-104X	MG RESISTOR		
	R7083	NRSA02J-104X	MG RESISTOR		
	R7084	NRSA02J-273X	MG RESISTOR		
	R7093	NRSA02J-153X	MG RESISTOR		
	R7095	NRSA02J-333X	MG RESISTOR		
	R7096	NRSA02J-102X	MG RESISTOR		
	R7429	NRSA02J-913X	MG RESISTOR		
	R7528	NRSA02J-223X	MG RESISTOR		
	R7529	NRSA02J-473X	MG RESISTOR		
	R7530	NRSA02J-103X	MG RESISTOR		
	R7544	NRSA02J-114X	MG RESISTOR		
	R7545	NRSA02J-114X	MG RESISTOR		
	R7602	NRSA02J-102X	MG RESISTOR		
	R7614	NRSA02J-103X	MG RESISTOR		
	R7615	NRSA02J-103X	MG RESISTOR		
	R7619	NRSA02J-122X	MG RESISTOR		
	R7620	NRSA02J-102X	MG RESISTOR		
	R7621	NRSA02J-122X	MG RESISTOR		
	R7622	NRSA02J-102X	MG RESISTOR		
	R7625	NRSA02J-823X	MG RESISTOR		
	R7628	NRSA02J-823X	MG RESISTOR		
	R7629	NRSA02J-103X	MG RESISTOR		
	R7630	NRSA02J-563X	MG RESISTOR		
	R7631	NRSA02J-104X	MG RESISTOR		
	R7632	NRSA02J-103X	MG RESISTOR		
	R7633	NRSA02J-103X	MG RESISTOR		
	R7634	NRSA02J-103X	MG RESISTOR		
	R7635	NRSA02J-104X	MG RESISTOR		
	R7639	NRSA02J-222X	MG RESISTOR		
	R7641	NRSA02J-102X	MG RESISTOR		
	R7642	NRSA02J-102X	MG RESISTOR		
	R7643	NRSA02J-103X	MG RESISTOR		
	R7644	NRSA02J-683X	MG RESISTOR		
	R7646	NRSA02J-683X	MG RESISTOR		

■ **Electrical parts list (LCD system & CPU board)** **Block No. 03**

⚠	Item	Parts number	Parts name	Remarks	Area
	R7647	NRSA02J-104X	MG RESISTOR		
	R7648	NRSA02J-394X	MG RESISTOR		
	R7649	NRSA02J-823X	MG RESISTOR		
	R7701	NRSA02J-103X	MG RESISTOR		
	R7702	NRSA02J-103X	MG RESISTOR		
	R7703	NRSA02J-102X	MG RESISTOR		
	R7704	NRSA02J-103X	MG RESISTOR		
	R7705	NRSA02J-102X	MG RESISTOR		
	R7711	NRSA02J-222X	MG RESISTOR		
	R7712	NRSA02J-102X	MG RESISTOR		
	R7713	NRSA02J-222X	MG RESISTOR		
	R7715	NRSA02J-222X	MG RESISTOR		
	R7716	NRSA02J-472X	MG RESISTOR		
	R7717	NRSA02J-472X	MG RESISTOR		
	R7718	NRSA02J-222X	MG RESISTOR		
	R7719	NRSA02J-102X	MG RESISTOR		
	R7720	NRSA02J-102X	MG RESISTOR		
	R7721	NRSA02J-102X	MG RESISTOR		
	R7722	NRSA02J-102X	MG RESISTOR		
	R7723	NRSA02J-222X	MG RESISTOR		
	R7724	NRSA02J-222X	MG RESISTOR		
	R7725	NRSA02J-222X	MG RESISTOR		
	R7726	NRSA02J-222X	MG RESISTOR		
	R7728	NRSA02J-222X	MG RESISTOR		
	R7729	NRSA02J-222X	MG RESISTOR		
	R7730	NRSA02J-222X	MG RESISTOR		
	R7731	NRSA02J-222X	MG RESISTOR		
	R7732	NRSA02J-222X	MG RESISTOR		
	R7733	NRSA02J-222X	MG RESISTOR		
	R7734	NRSA02J-222X	MG RESISTOR		
	R7735	NRSA02J-222X	MG RESISTOR		
	R7738	NRSA02J-222X	MG RESISTOR		
	R7739	NRSA02J-222X	MG RESISTOR		
	R7741	NRSA02J-222X	MG RESISTOR		
	R7742	NRSA02J-222X	MG RESISTOR		
	R7743	NRSA02J-222X	MG RESISTOR		
	R7744	NRSA02J-563X	MG RESISTOR		
	R7745	NRSA02J-473X	MG RESISTOR		
	R7746	NRSA02J-333X	MG RESISTOR		
	R7747	NRSA02J-222X	MG RESISTOR		
	R7748	NRSA02J-153X	MG RESISTOR		
	R7749	NRSA02J-123X	MG RESISTOR		
	R7750	NRSA02J-222X	MG RESISTOR		
	R7799	NRSA02J-102X	MG RESISTOR		
	X7001	QAX0401-001	CRYSTAL	CLOCK	
	X7002	QAX0410-001	CERA LOCK	MAIN CLOCK	

■ **Electrical parts list (Tuner board)** **Block No. 04**

⚠	Item	Parts number	Parts name	Remarks	Area
	C 1	NCB21HK-223X	C CAPACITOR		
	C 2	NCB21HK-103X	C CAPACITOR		B,E,EN,EV
	C 2	NRSA02J-OROX	MG RESISTOR		EE
	C 3	NCB21EK-473X	C CAPACITOR		
	C 4	NCB21HK-103X	C CAPACITOR		
	C 5	QEK61CM-106Z-JB	E CAPACITOR	10MF 20% 16V	
	C 6	NCB21HK-102X	C CAPACITOR		
	C 7	NCS21HJ-102X	C CAPACITOR		
	C 8	NCS21HJ-150X	C CAPACITOR		
	C 9	NCB21HK-102X	C CAPACITOR		
	C 11	NCB21HK-103X	C CAPACITOR		
	C 12	NDC21HJ-150X	C CAPACITOR		
	C 13	NCB21EK-473X	C CAPACITOR		
	C 14	NCB21HK-103X	C CAPACITOR		B,E,EN,EV
	C 14	NRSA02J-0R0X	MG RESISTOR		EE
	C 15	NCB21HK-102X	C CAPACITOR		
	C 16	NCB21HK-102X	C CAPACITOR		
	C 18	NCB21HK-103X	C CAPACITOR		
	C 19	NCB21HK-122X	C CAPACITOR		
	C 21	NCB21EK-473X	C CAPACITOR		
	C 30	QEK61CM-476Z-JB	E CAPACITOR	47MF 20% 16V	
	C 31	NCS21HJ-390X	C CAPACITOR		
	C 32	NCB21HK-102X	C CAPACITOR		
	C 33	QEK61AM-107Z-JB	E CAPACITOR	100MF 20% 10V	
	C 34	NCS21HJ-150X	C CAPACITOR		
	C 35	NCB21HK-102X	C CAPACITOR		
	C 36	QEK61CM-106Z-JB	E CAPACITOR	10MF 20% 16V	
	C 37	NCB21EK-473X	C CAPACITOR		
	C 39	NCB21EK-473X	C CAPACITOR		
	C 40	NCB21HK-103X	C CAPACITOR		
	C 41	QEK61HM-104Z-JB	E CAPACITOR	.10MF 20% 50V	
	C 42	QEK61HM-474Z-JB	E CAPACITOR	.47MF 20% 50V	
	C 43	QEK61HM-335Z-JB	E CAPACITOR	3.3MF 20% 50V	
	C 44	NCS21HJ-221X	C CAPACITOR		
	C 45	QEK61CM-106Z-JB	E CAPACITOR	10MF 20% 16V	
	C 46	NCB21HK-223X	C CAPACITOR		
	C 47	NCB21HK-103X	C CAPACITOR		
	C 49	NCB21HK-183X	C CAPACITOR		
	C 50	NCB21HK-183X	C CAPACITOR		
	C 51	QEK61HM-105Z-JB	E CAPACITOR	1.0MF 20% 50V	
	C 52	QEK61HM-105Z-JB	E CAPACITOR	1.0MF 20% 50V	
	C 53	NCB21HK-681X	C CAPACITOR		
	C 55	NCS21HJ-120X	C CAPACITOR		
	C 60	QEK61AM-107Z-JB	E CAPACITOR	100MF 20% 10V	
	C 61	NCS21HJ-120X	C CAPACITOR		
	C 62	NCS21HJ-120X	C CAPACITOR		
	C 63	NCB21EK-473X	C CAPACITOR		
	C 65	NCB21HK-102X	C CAPACITOR		
	C 66	NCS21HJ-151X	C CAPACITOR		
	C 67	NCS21HJ-151X	C CAPACITOR		
	C 68	NCS21HJ-101X	C CAPACITOR		
	C 69	QEK61HM-225Z-JB	E CAPACITOR	2.2MF 20% 50V	
	C 70	NCB21HK-392X	C CAPACITOR		
	C 71	QEK61HM-335Z-JB	E CAPACITOR	3.3MF 20% 50V	
	C 72	NCB21HK-102X	C CAPACITOR		
	C 91	NCB21HK-103X	C CAPACITOR		B,E,EN,EV
	C 92	NCB21HK-103X	C CAPACITOR		
	C 93	NCB21HK-103X	C CAPACITOR		
	C 94	NCB21HK-102X	C CAPACITOR		B,E,EN,EV
	CF 1	QAX0420-001	C FILTER	FM IF	B,E,EN,EV
	CF 1	QAX0403-001	C FILTER	FM IF	EE
	CF 2	QAX0403-001	C FILTER	FM IF	EE
	CF 2	QAX0421-001	C FILTER	FM IF	B,E,EN,EV

⚠	Item	Parts number	Parts name	Remarks	Area
	CF 3	QAX0418-001Z	C FILTER		
	CF 4	QAX0409-001	CERA LOCK		
	CN 1	QGF1201F3-10	CONNECTOR		
	D 1	1SS254-T2	SI DIODE		
	D 2	1SS254-T2	SI DIODE		
	D 3	1SS254-T2	SI DIODE		
	D 4	1SS254-T2	SI DIODE		
	IC 1	TA2057N	IC		
	IC 2	LC72136N	IC		
	J 1	QNB0014-001	ANT TERMINAL	AM/FM ANT	
	L 1	QQR0871-001	COIL BLOCK	MW/LW RF/OSC	
	L 4	QQL231K-221Y	INDUCTOR		
	L 10	QQR0794-001	TRAP COIL	114KHZ TRAP	B,E,EN,EV
	L 11	QQL231K-2R7Y	INDUCTOR		
	O 1	2SC2668/O/-T	TRANSISTOR		
	O 2	DTA114YKA-X	TRANSISTOR		
	O 3	KTC3199/GL/-T	TRANSISTOR		
	O 4	KTC3199/GL/-T	TRANSISTOR		
	O 6	DTA114YKA-X	TRANSISTOR		
	O 7	2SA1037K/R/-X	TRANSISTOR		
	O 8	2SA1037K/R/-X	TRANSISTOR		
	R 1	NRSA02J-102X	MG RESISTOR		
	R 2	NRSA02J-820X	MG RESISTOR		
	R 3	NRSA02J-121X	MG RESISTOR		EE
	R 3	NRSA02J-560X	MG RESISTOR		B,E,EN,EV
	R 10	NRSA02J-152X	MG RESISTOR		
	R 12	NRSA02J-102X	MG RESISTOR		
	R 13	NRSA02J-104X	MG RESISTOR		
	R 15	NRSA02J-103X	MG RESISTOR		
	R 16	NRSA02J-103X	MG RESISTOR		
	R 20	NRSA02J-331X	MG RESISTOR		
	R 21	NRSA02J-224X	MG RESISTOR		
	R 22	NRSA02J-331X	MG RESISTOR		
	R 23	NRSA02J-100X	MG RESISTOR		
	R 24	NRSA02J-271X	MG RESISTOR		
	R 25	NRSA02J-473X	MG RESISTOR		
	R 26	NRSA02J-153X	MG RESISTOR		
	R 27	NRSA02J-223X	MG RESISTOR		
	R 29	NRSA02J-473X	MG RESISTOR		
	R 30	NRSA02J-103X	MG RESISTOR		
	R 31	NRSA02J-103X	MG RESISTOR		
	R 34	NRSA02J-333X	MG RESISTOR		
	R 35	NRSA02J-333X	MG RESISTOR		
	R 36	NRSA02J-103X	MG RESISTOR		
	R 37	NRSA02J-472X	MG RESISTOR		
	R 38	NRSA02J-392X	MG RESISTOR		
	R 39	NRSA02J-392X	MG RESISTOR		
	R 42	NRSA02J-102X	MG RESISTOR		
	R 43	NRSA02J-102X	MG RESISTOR		
	R 44	NRSA02J-102X	MG RESISTOR		
	R 45	NRSA02J-102X	MG RESISTOR		
	R 46	NRSA02J-473X	MG RESISTOR		
	R 48	NRSA02J-102X	MG RESISTOR		
	R 52	NRSA02J-472X	MG RESISTOR		
	R 54	NRSA02J-472X	MG RESISTOR		
	R 55	NRSA02J-182X	MG RESISTOR		
	R 56	NRSA02J-332X	MG RESISTOR		
	R 57	NRSA02J-102X	MG RESISTOR		
	R 60	NRSA02J-102X	MG RESISTOR		
	R 61	NRSA02J-102X	MG RESISTOR		
	R 65	NRSA02J-222X	MG RESISTOR		
	R 66	NRSA02J-222X	MG RESISTOR		
	R 68	NRSA02J-223X	MG RESISTOR		

■ **Electrical parts list (Tuner board)** **Block No. 04**

⚠	Item	Parts number	Parts name	Remarks	Area
	R 69	NRSA02J-103X	MG RESISTOR		
	R 74	NRSA02J-332X	MG RESISTOR		
	R 75	NRSA02J-103X	MG RESISTOR		
	T 1	QQR0793-001	IFT		
	TU 1	QAU0034-001	FRONT END	FM TU	B,E,EN,EV
	TU 1	QAU0036-001	FRONT END	FM TU	EE
	X 1	QAX0402-001	CRYSTAL		

■ **Electrical parts list** **Block No. 05**

(Head amplifier & Mechanism control board)

⚠	Item	Parts number	Parts name	Remarks	Area
	C 101	NCS21HJ-821X	C CAPACITOR		
	C 102	NCS21HJ-221X	C CAPACITOR		
	C 103	QEKJ0JM-227Z	E CAPACITOR	220MF 20% 6.3V	
	C 104	NCB21HK-333X	C CAPACITOR		
	C 105	NCB21HK-222X	C CAPACITOR		
	C 106	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 107	NCS21HJ-561X	C CAPACITOR		
	C 108	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 109	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 110	NCB21HK-682X	C CAPACITOR		
	C 111	NCB21HK-122X	C CAPACITOR		
	C 112	NCB21EK-683X	C CAPACITOR		
	C 113	NCB21HK-222X	C CAPACITOR		
	C 121	NCS21HJ-331X	C CAPACITOR		
	C 201	NCS21HJ-821X	C CAPACITOR		
	C 202	NCS21HJ-221X	C CAPACITOR		
	C 203	QEKJ0JM-227Z	E CAPACITOR	220MF 20% 6.3V	
	C 204	NCB21HK-333X	C CAPACITOR		
	C 205	NCB21HK-222X	C CAPACITOR		
	C 206	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 207	NCS21HJ-561X	C CAPACITOR		
	C 208	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 209	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 210	NCB21HK-682X	C CAPACITOR		
	C 211	NCB21HK-122X	C CAPACITOR		
	C 212	NCB21EK-683X	C CAPACITOR		
	C 213	NCB21HK-222X	C CAPACITOR		
	C 221	NCS21HJ-331X	C CAPACITOR		
	C 301	QEKJ1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 302	NCB21HK-393X	C CAPACITOR		
	C 303	QEKJ0JM-227Z	E CAPACITOR	220MF 20% 6.3V	
	C 304	QEKJ1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C 305	QEKJ1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C 306	QEK41CM-476	E CAPACITOR	47MF 20% 16V	
	C 307	NCB21HK-103X	C CAPACITOR		
	C 308	NCB21HK-562X	C CAPACITOR		
	C 309	NCB21HK-562X	C CAPACITOR		
	C 310	NCB21HK-223X	C CAPACITOR		
	C 311	NCB21HK-682X	C CAPACITOR		
	C 313	QEKJ1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 314	QCZ0205-155Z	ML C CAPACITOR	1.5MF	
	C 315	QCZ0205-155Z	ML C CAPACITOR	1.5MF	
	C 316	QFG32AJ-103Z	PP CAPACITOR	.010MF 5% 100V	
	C 318	NCB21HK-103X	C CAPACITOR		
	C 319	QFG32AJ-821Z	PP CAPACITOR	820PF 5% 100V	
	C 321	NCB21HK-103X	C CAPACITOR		
	C 322	QFG32AJ-152Z	PP CAPACITOR	1500PF 5% 100V	
	C 331	QEK41CM-476	E CAPACITOR	47MF 20% 16V	
	C 351	QEK41CM-106	E CAPACITOR	10MF 20% 16V	
	C 371	QEK41EM-475	E CAPACITOR	4.7MF 20% 25V	
	C 374	QEKJ1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 375	QEKJ1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 376	NCB21HK-103X	C CAPACITOR		
	CN 31	QGF1201F3-06	CONNECTOR	PRI/HEAD	
	CN 32	QGB2011M1-10	B TO B CONNECTO	PRI/MECHA	
	CN 33	QGF1205F1-09	CONNECTOR	PRI/MICON	
	CN 34	QGF1201F3-10	CONNECTOR	PRI/AMP	
	D 301	MA152WA-X	DIODE		
	D 309	MA704A-X	S.K.DIODE		
	D 375	MA3051/M/-X	ZENER DIODE		
	FW 31	QUM024-06A2Z3	PARA RIBON WIRE		
	IC 31	BA3126N	IC	HEAD SW	
	IC 32	AN7317	IC	PB&REC	

⚠	Item	Parts number	Parts name	Remarks	Area
	IC 33	BU4094BCF-X	IC		
	L 301	QQR0620-001	OSC COIL(BIAS)		
	L 303	QQL01BK-100Z	INDUCTOR		
	O 101	DTC114TKA-X	TRANSISTOR		
	O 102	DTC114TKA-X	TRANSISTOR	REC EO CONT.	
	Q 201	DTC114TKA-X	TRANSISTOR		
	O 202	DTC114TKA-X	TRANSISTOR	REC EO CONT.	
	O 301	DTA144EKA-X	TRANSISTOR	REC EO CONT.	
	O 302	2SC2001/K/-T	TRANSISTOR		
	O 303	2SC2001/K/-T	TRANSISTOR		
	Q 304	2SC2001/LK/-T	TRANSISTOR		
	O 305	2SC2001/LK/-T	TRANSISTOR		
	O 306	2SC2412K/RS/-X	CHIP TRANSISTOR		
	O 307	2SC2412K/RS/-X	CHIP TRANSISTOR		
	Q 308	2SC2412K/RS/-X	CHIP TRANSISTOR		
	O 309	2SC2412K/RS/-X	CHIP TRANSISTOR		
	O 321	DTC144EKA-X	TRANSISTOR		
	O 323	2SC2412K/RS/-X	CHIP TRANSISTOR		
	O 371	2SA952/LK/-T	TRANSISTOR	MOTER+B	
	Q 372	DTC124EKA-X	TRANSISTOR		
	O 375	2SB562/C/-T	TRANSISTOR	SOLENOID DRIVE	
	Q 376	2SC2412K/RS/-X	CHIP TRANSISTOR		
	R 101	NRSA63J-220X	MG RESISTOR		
	R 102	NRSA63J-182X	MG RESISTOR		
	R 103	NRSA63J-242X	MG RESISTOR		
	R 104	NRSA63J-122X	MG RESISTOR		
	R 105	NRSA63J-104X	MG RESISTOR		
	R 106	NRSA63J-332X	MG RESISTOR		
	R 107	NRSA63J-123X	MG RESISTOR		
	R 108	NRSA63J-562X	MG RESISTOR		
	R 109	NRSA63J-122X	MG RESISTOR		
	R 110	NRSA63J-472X	MG RESISTOR		
	R 111	NRSA63J-333X	MG RESISTOR		
	R 112	NRSA63J-222X	MG RESISTOR		
	R 113	NRSA63J-472X	MG RESISTOR		
	R 114	NRSA63J-272X	MG RESISTOR		
	R 116	NRSA63J-102X	MG RESISTOR		
	R 121	NRSA63J-102X	MG RESISTOR		
	R 201	NRSA63J-220X	MG RESISTOR		
	R 202	NRSA63J-182X	MG RESISTOR		
	R 203	NRSA63J-242X	MG RESISTOR		
	R 204	NRSA63J-122X	MG RESISTOR		
	R 205	NRSA63J-104X	MG RESISTOR		
	R 206	NRSA63J-332X	MG RESISTOR		
	R 207	NRSA63J-123X	MG RESISTOR		
	R 208	NRSA63J-562X	MG RESISTOR		
	R 209	NRSA63J-122X	MG RESISTOR		
	R 210	NRSA63J-472X	MG RESISTOR		
	R 211	NRSA63J-333X	MG RESISTOR		
	R 212	NRSA63J-222X	MG RESISTOR		
	R 213	NRSA63J-472X	MG RESISTOR		
	R 214	NRSA63J-272X	MG RESISTOR		
	R 216	NRSA63J-102X	MG RESISTOR		
	R 221	NRSA63J-102X	MG RESISTOR		
	R 301	NRS181J-221X	MG RESISTOR		
	R 303	NRSA63J-393X	MG RESISTOR		
	R 304	NRS181J-101X	MG RESISTOR		
	R 305	NRSA63J-222X	MG RESISTOR		
	R 306	NRSA63J-222X	MG RESISTOR		
	R 310	NRS181J-560X	MG RESISTOR	1/8W	
	R 311	NRS181J-560X	MG RESISTOR	1/8W	
	R 313	NRSA63J-3R3X	MG RESISTOR		
	R 314	NRSA63J-223X	MG RESISTOR		

■ **Electrical parts list** **Block No. 05**
(Head amplifier & Mechanism control board)

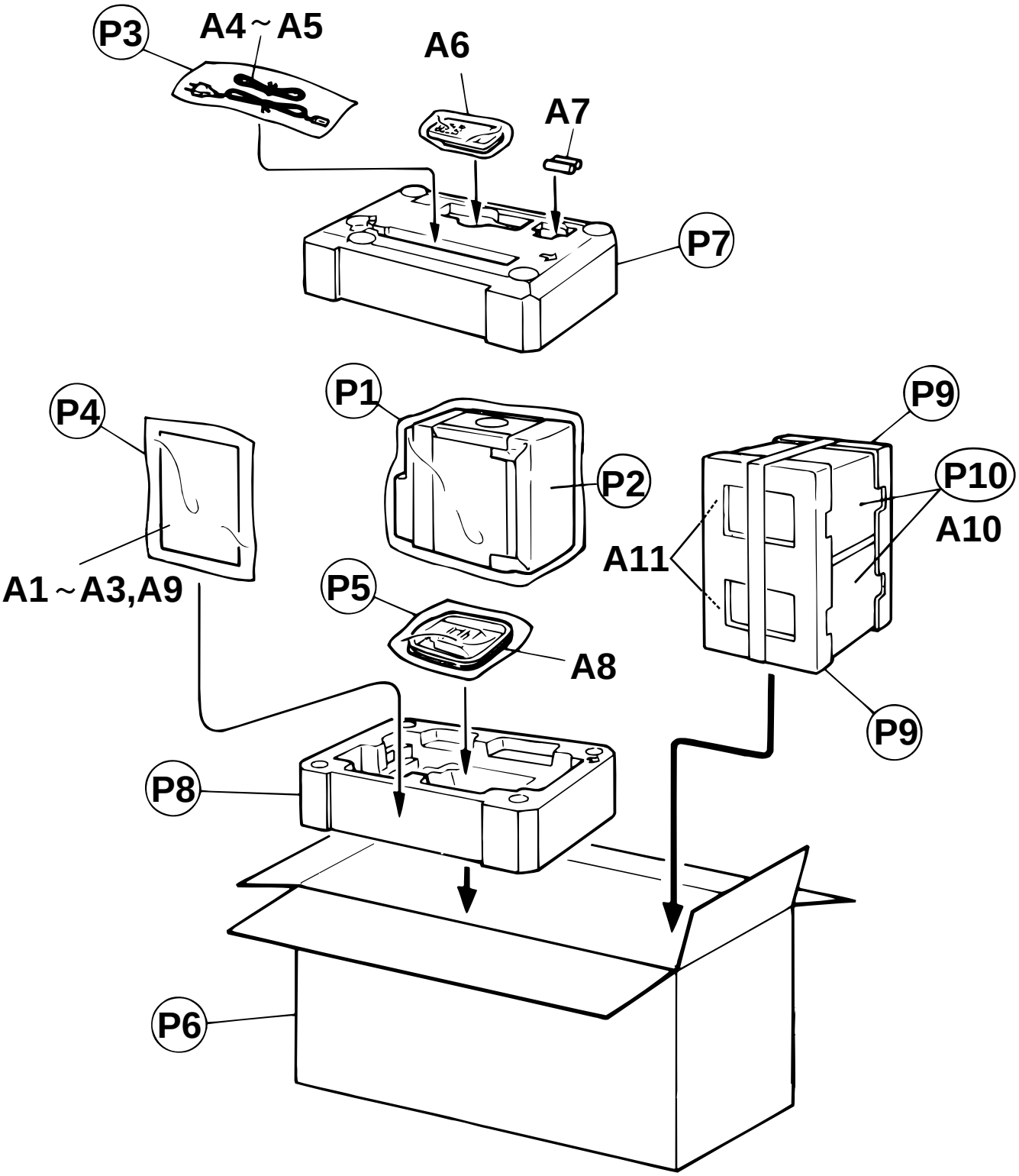
⚠	Item	Parts number	Parts name	Remarks	Area
	R 315	NRSA63J-100X	MG RESISTOR		
	R 316	NRSA63J-223X	MG RESISTOR		
	R 317	NRSA63J-100X	MG RESISTOR		
	R 319	NRSA63J-152X	MG RESISTOR		
	R 322	NRSA63J-152X	MG RESISTOR		
	R 327	NRSA63J-474X	MG RESISTOR		
	R 332	NRSA63J-123X	MG RESISTOR		
	R 333	NRSA63J-123X	MG RESISTOR		
	R 335	NRSA63J-152X	MG RESISTOR		
	R 336	NRSA63J-472X	MG RESISTOR		
	R 337	NRSA63J-332X	MG RESISTOR		
	R 338	NRSA63J-392X	MG RESISTOR		
	R 339	NRSA63J-222X	MG RESISTOR		
	R 340	NRS181J-391X	MG RESISTOR		
	R 341	NRSA63J-123X	MG RESISTOR		
	R 342	NRSA63J-203X	MG RESISTOR		
	R 343	NRSA63J-183X	MG RESISTOR		
	R 351	NRSA63J-683X	MG RESISTOR		
	R 352	NRSA63J-912X	MG RESISTOR		
	R 371	NRSA63J-123X	MG RESISTOR		
	R 372	NRSA63J-102X	MG RESISTOR		
	R 375	NRSA02J-151X	MG RESISTOR	1/8W	
	R 376	NRSA63J-472X	MG RESISTOR		
	VR 31	QVP0008-503Z	SEMI.V.RESISTOR	BIAS ADJ	
	VR 32	QVP0008-503Z	SEMI.V.RESISTOR	BIAS ADJ	
	VR 37	QVP0008-103Z	SEMI.V.RESISTOR	TAPE SPEED ADJ	

■ **Electrical parts list (Cassette switch board)** **Block No. 06**

⚠	Item	Parts number	Parts name	Remarks	Area
	CN 1	QGB2011L1-10	B TO B CONNECTO		
	D 1	1SR139-400-T2	SI DIODE		
	IC 1	SG-105F3-BB,C	PHOTO SENSER		
	P 1	QNZ0104-001	POST PIN		
	SW 1	QSW0832-001	LEAF SWITCH	R.REC	
	SW 2	QSW0832-001	LEAF SWITCH	TAPE	
	SW 4	QSW0832-001	LEAF SWITCH	70U	
	SW 5	QSW0832-001	LEAF SWITCH	F.REC	
	SW 6	QSW0859-001	DETECT SWITCH		

Packing materials and accessories parts list

Block No. M 4 M M
Block No. M 5 M M



■ Parts list (Packing)

Block No. M4MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	P 1	QPC04504515P	POLY BAG	1	FOR SET	
	P 2	VPK3001-012SC	SHEET	1		
	P 3	QPA01202505	POLY BAG	1	FOR P.CORD	E,EE,EN,EV
		QPA01503503	POLY BAG	1	FOR P.CORD	B
	P 4	VPE3026-004	POLY BAG	1	FOR INST	
	P 5	QPA01702503P	POLY BAG	1	FOR AM ANT	
	P 6	GN10001-001A	PACKING CASE	1		
	P 7	VPH1709-001	CUSHION(UPPER)	1		
	P 8	VPH1709-002	CUSHION(BOTTOM)	1		
	P 9	T55-KF-01-01	PACKING PAD	2		
	P 10	T55-KO-00-01	POLY BAG	2	FOR SPEAKER	

■ Parts list (Accessories)

Block No. M5MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	A 1	GNT0001-006A	INST BOOK	1	RUS	EE
		GNT0001-001A	INST BOOK	1	ENG	B
		GNT0001-002A	INST BOOK	1	GER, FRE	E,EN
		GNT0001-003A	INST BOOK	1	DUT	E
		GNT0001-004A	INST BOOK	1	SPA, ITA, SWE, DAN,FIN	EN
		GNT0001-005A	INST BOOK	1	POL, HUN, CZE	EV
	A 2	BT-54012-1	WARRANTY CARD	1		EE,EV
		BT-54008-2	WARRANTY CARD	1		B,E,EN
	A 3	E43486-340B	SAFETY INST	1		B
⚠	A 4	QMPL080-183-JC	POWER CORD	1		E,EE,EN,EV
⚠		QMP5520-183E	POWER CORD	1		B
	A 5	EWP503-001C	ANT.WIRE	1	FM ANT	
	A 6	VGR0063-201	REMOCON UNIT	1		
	A 7	----------	BATTERY	1	FOR REMOCON	
	A 8	QAL0014-001	AM LOOP ANT	1	AM ANT	
	A 9	VNA3000-202	REGIST.CARD	1		B
	A 10	UXT550K-SPBOX	SPEAKER BOX	2		
	A 11	T55-BK-00-01	SARAN BOARD	2		

UX-T550

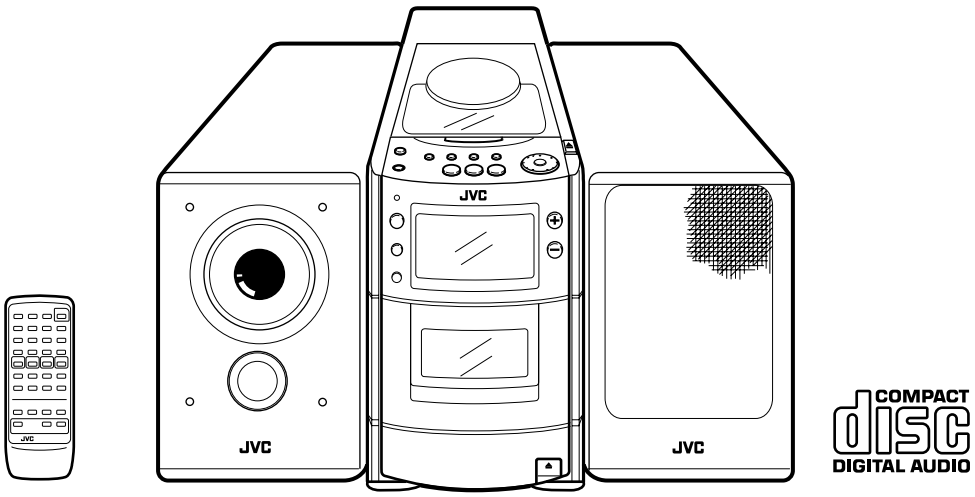
JVC

SCHEMATIC DIAGRAMS

MICRO COMPONENT SYSTEM

UX-T550

CD-ROM No.SML200101



Area Suffix

B ---------- U.K.
E ---------- Continental Europe
EN ---------- Northern Europe
EV ---------- Eastern Europe
EE ---------- Russian Federation

Contents

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Printed circuit boards ---------- 2-8~2-10

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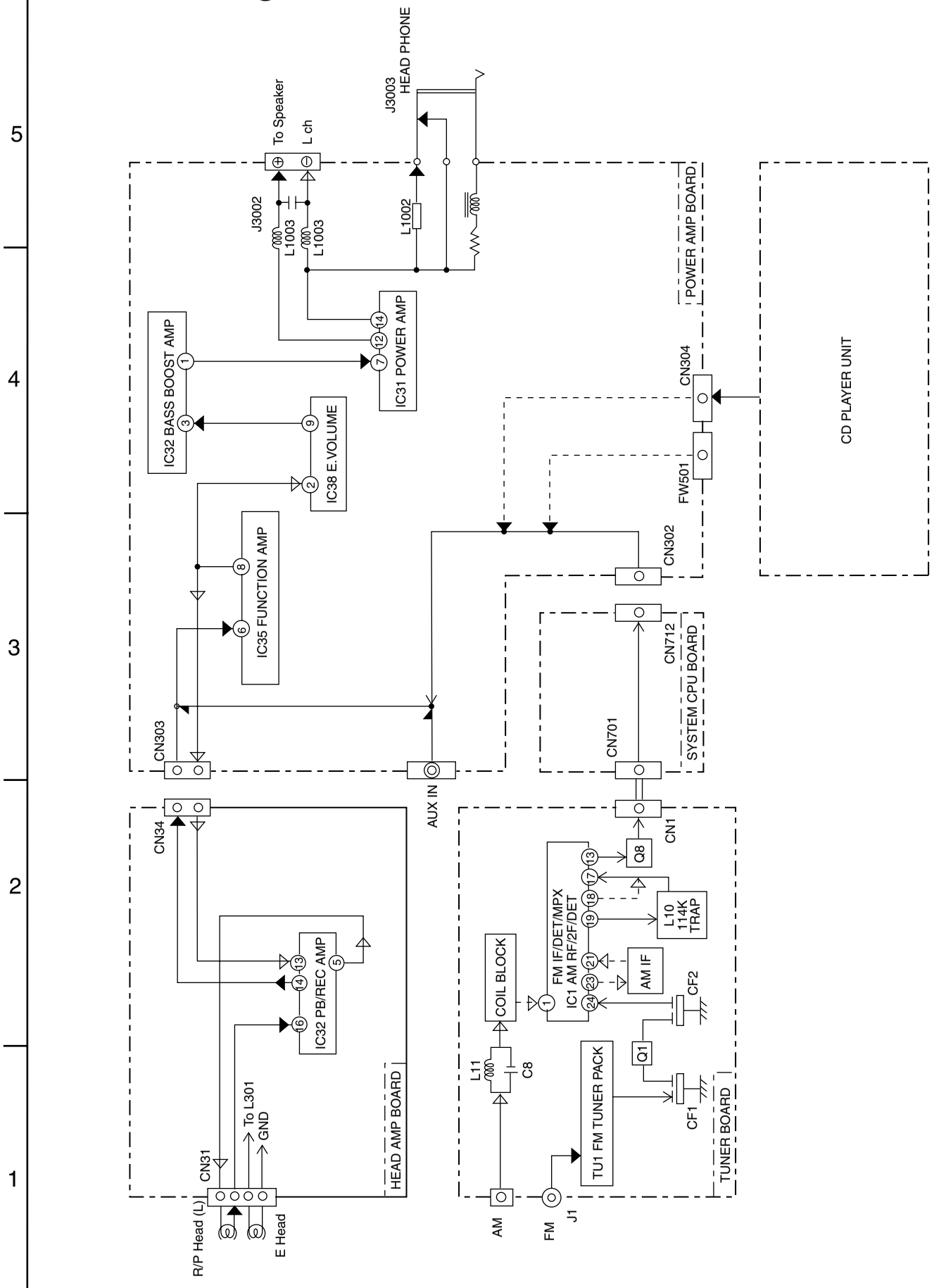
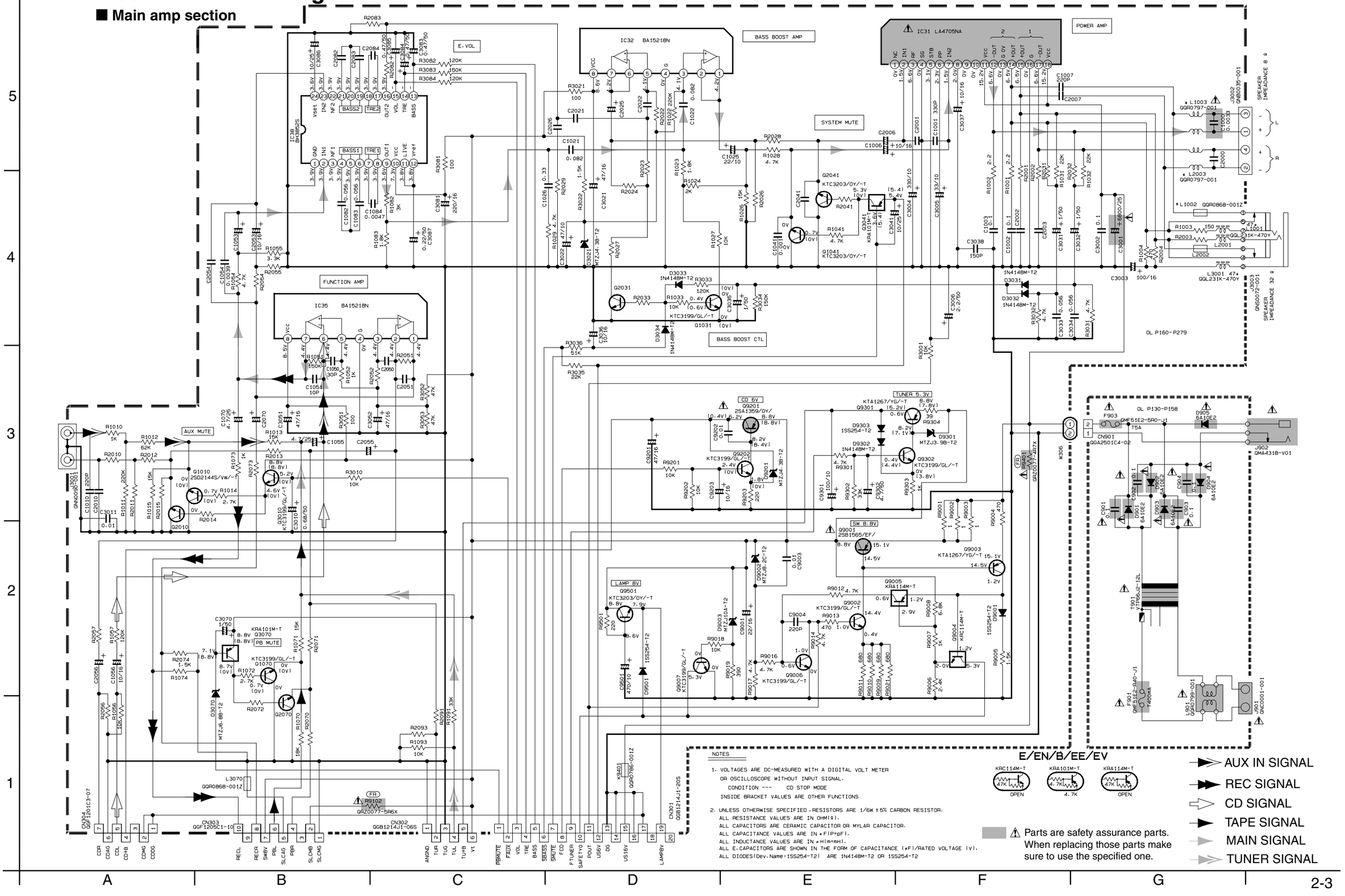
No.20908SCH
Jan. 2001

Block diagram

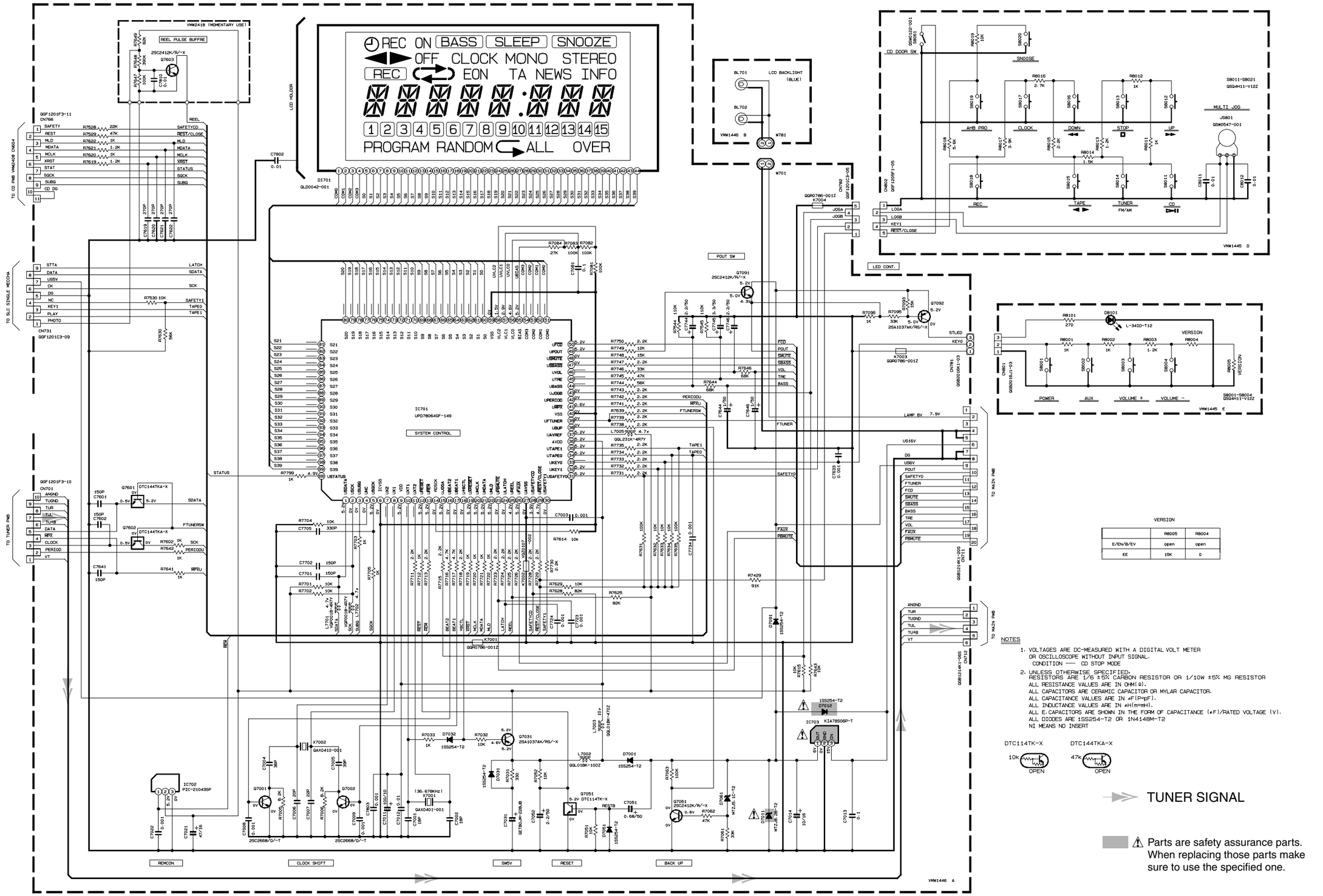


Standard schematic diagrams

■ Main amp section


E. VOL
IC32 BA15218N
BASS BOOST AMP
IC31 LA4705NA
POWER AMP
SYSTEM MUTE
FUNCTION AMP
IC35 BA15218N
AUX MUTE
PB MUTE
LAMP 8V
CD 6V
TUNER 5.3V
SW 8.8V
BASS BOOST CTL
OL P160-P279
OL P130-P158
E/EN/B/EE/EV
NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- CD STOP MODE
INSIDE BRACKET VALUES ARE OTHER FUNCTIONS
2. UNLESS OTHERWISE SPECIFIED . RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN ★F(P=pF).
ALL INDUCTANCE VALUES ARE IN ★H(m=mH).
ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (★F)/RATED VOLTAGE (V).
ALL DIODES(Dev.Name:1SS254-T2) ARE 1N4148M-T2 OR 1SS254-T2
Parts are safety assurance parts. When replacing those parts make sure to use the specified one.
AUX IN SIGNAL
REC SIGNAL
CD SIGNAL
TAPE SIGNAL
MAIN SIGNAL
TUNER SIGNAL

■ LCD & KEY Contorl section



VERSION

	R8005	R8004
E/EN/B/EV	open	open
EE	15K	0

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION —— CD STOP MODE
2. UNLESS OTHERWISE SPECIFIED,
   RESISTORS ARE 1/6 ±5% CARBON RESISTOR OR 1/10W ±5% MG RESISTOR
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   ALL DIODES ARE 1SS254-T2 OR 1N4148M-T2
   NI MEANS NO INSERT

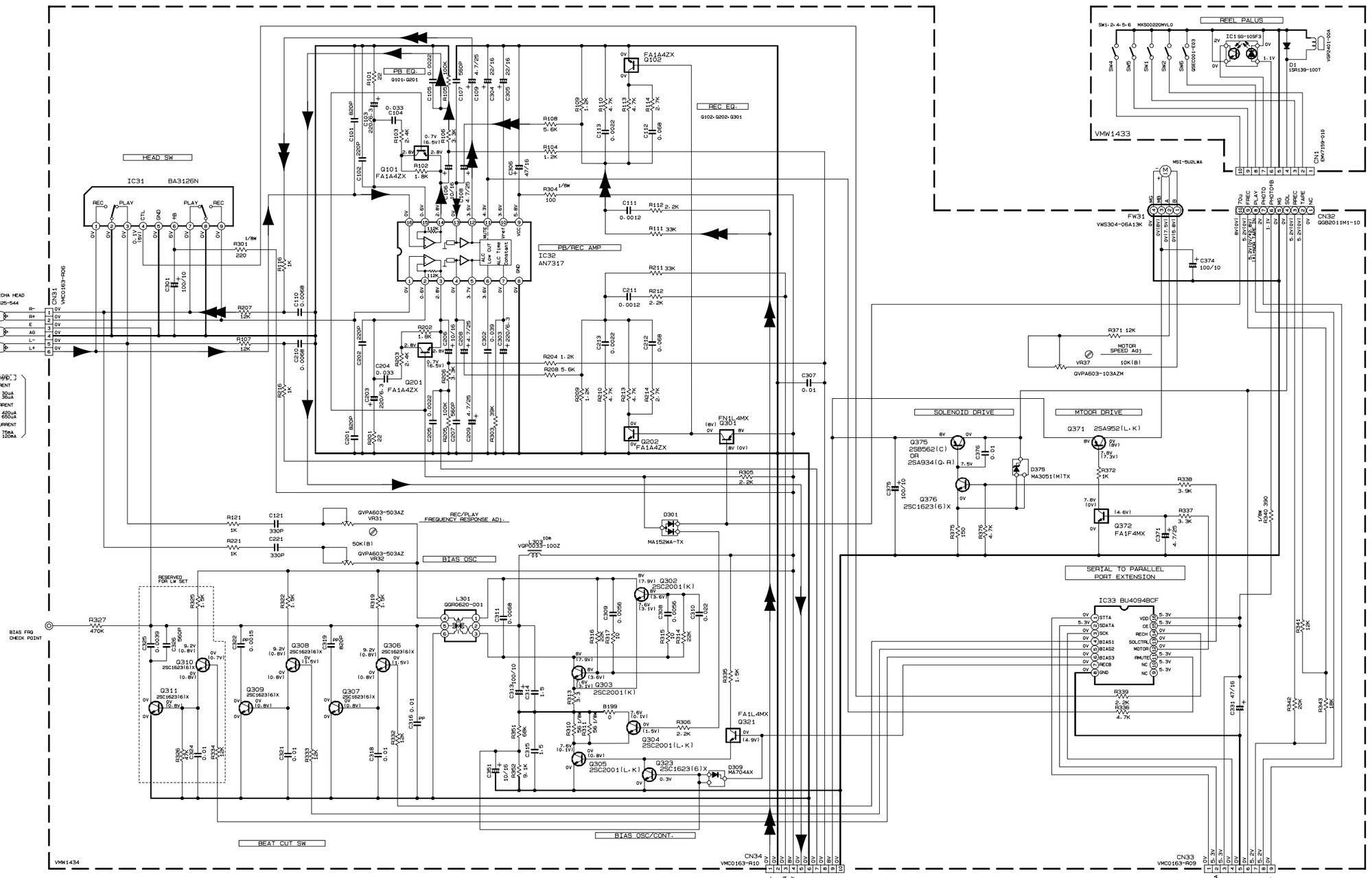
DTC114TK-X 10k OPEN

DTC144TKA-X 47k OPEN

TUNER SIGNAL

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ Head amp & Mecha control section



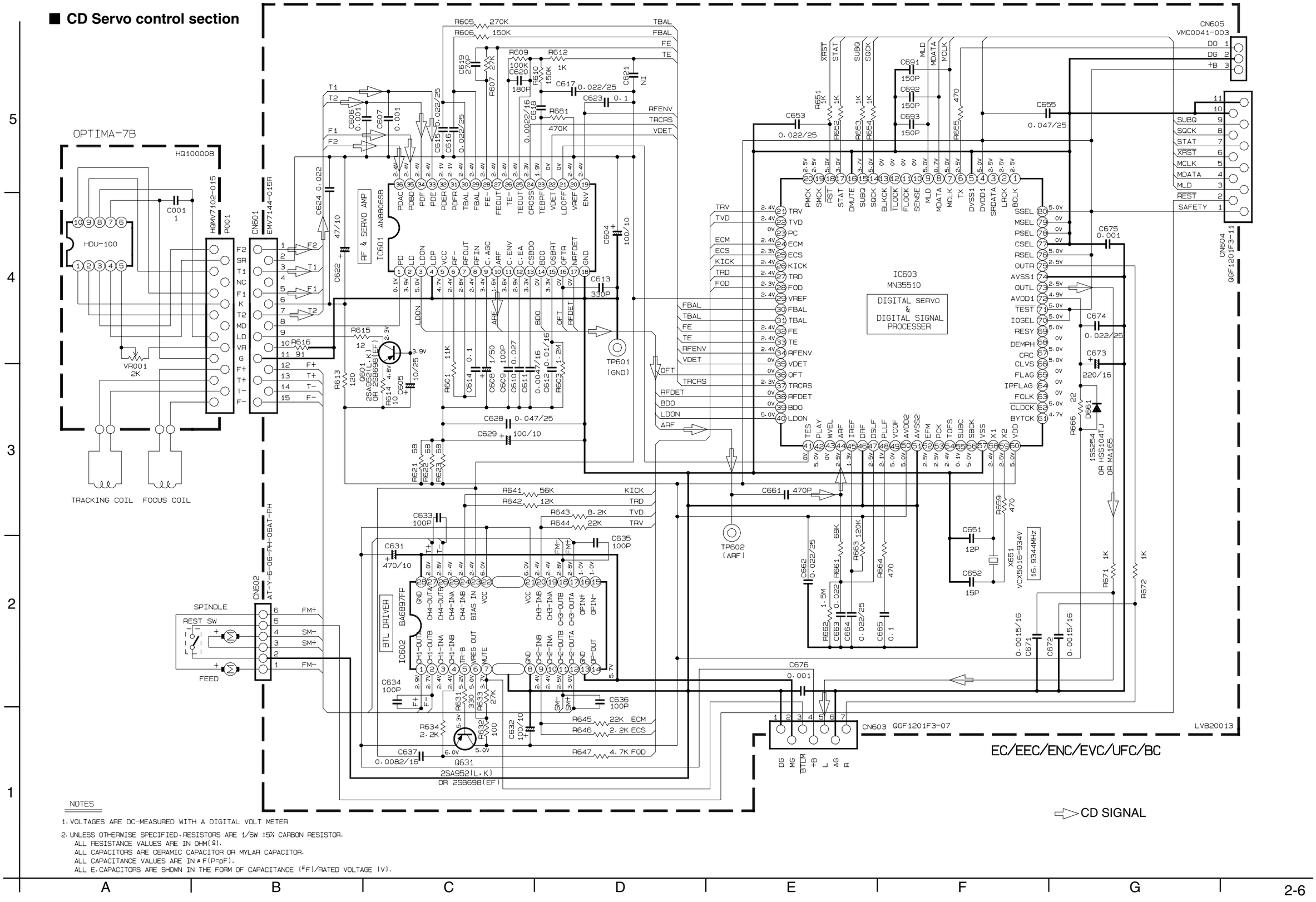
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
   CONDITION : MECHA STOP MODE

2. UNLESS OTHERWISE SPECIFIED · RESISTORS ARE 1/10W ±5% METAL GLAZE RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL INDUCTANCE VALUES ARE IN μH(m=mH).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
   : POLYPROPYLENE CAPACITOR

PARTS	NAME	REF.NO
	FA1A4ZX	Q101-Q201 Q102-Q202
	FN1L4MX	Q301
	FA1L4MX	Q321
	FA1F4MX	Q371

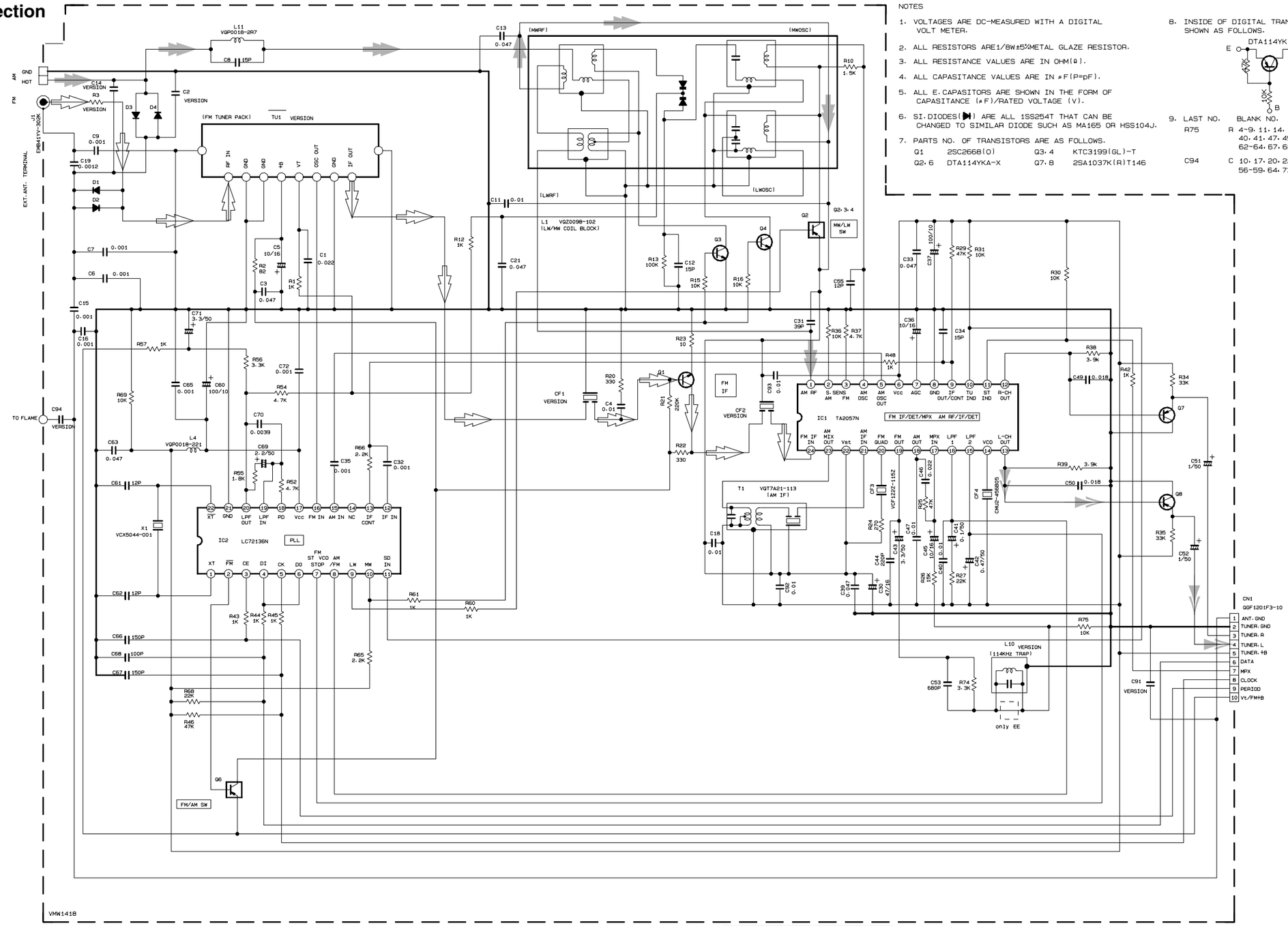
■ CD Servo control section



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
2. UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
   ALL CAPACITANCE VALUES ARE IN μF(P=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).

■ Tuner section

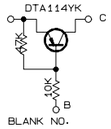


NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.
2. ALL RESISTORS ARE 1/8W ±5% METAL GLAZE RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHM(Ω).
4. ALL CAPASITANCE VALUES ARE IN μF(P=pF).
5. ALL E.CAPASITORS ARE SHOWN IN THE FORM OF CAPASITANCE (μF)/RATED VOLTAGE (V).
6. SI.DIODES(▶|) ARE ALL 1SS254T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA165 OR HSS104J.
7. PARTS NO. OF TRANSISTORS ARE AS FOLLOWS.

Q1	2SC2668(O)	Q3.4	KTC3199(GL)-T
Q2.6	DTA114YKA-X	Q7.8	2SA1037K(R)T146

8. INSIDE OF DIGITAL TRANSISTORS ARE SHOWN AS FOLLOWS.



9.

LAST NO.	BLANK NO.
R75	R 4-9. 11. 14. 17-19. 28. 32. 33 40. 41. 47. 49-51. 53. 58. 59 62-64. 67. 68. 70-73
C94	C 10. 17. 20. 22-29. 38. 48. 54 56-59. 64. 73-90

	CONDITION PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC1	FM NO SIGNAL	2.0	0.5	0	2.0	5.1	5.1	0	0	0.3	5.1	5.1	1.1	1.1	4.4	3.7	3.7	1.4	0	1.3	1.1	2.0	2.0	5.1	2.0
	FM 60dB STEREO	2.0	0.5	0	2.0	5.1	5.1	1.1	0	0.3	0	0	1.1	1.1	4.3	4.1	3.7	1.4	0	1.4	1.1	2.0	2.0	5.1	2.0
	AM NO SIGNAL	2.0	0.5	0	2.0	5.0	5.1	0	0	0.3	5.1	5.1	1.1	1.1	4.5	0.1	0	1.4	1.4	1.5	1.6	2.0	2.0	5.1	2.0
IC2	FM NO SIGNAL	2.4	0	0	5.1	4.9	5.1	3.7	3.7	2.0	3.8	5.1	0	0	0	0	2.6	5.1	1.0	1.0	3.7	0	2.7		

Tr NO.	Q1			Q6			Q7			Q8		
PIN NO.	E	C	B	E	C	B	E	C	B	E	C	B
FM 87.5MHz NO SIGNAL	0	7.5	0.7	8.8	8.7	0	1.6	0	1.1	1.6	0	1.1
AM 522KHz NO SIGNAL	0	0	0	8.8	0	8.7	1.6	0	1.1	1.6	0	1.1

Tr NO.	Q2			Q3			Q4		
PIN NO.	E	C	B	E	C	B	E	C	B
AM 522KHz NO SIGNAL	2.0	2.0	0.1	0	0	0.7	0	0	0.7
AM 144KHz NO SIGNAL	2.0	2.0	2.0	0	0	0.1	0	0	0.1

VERSION

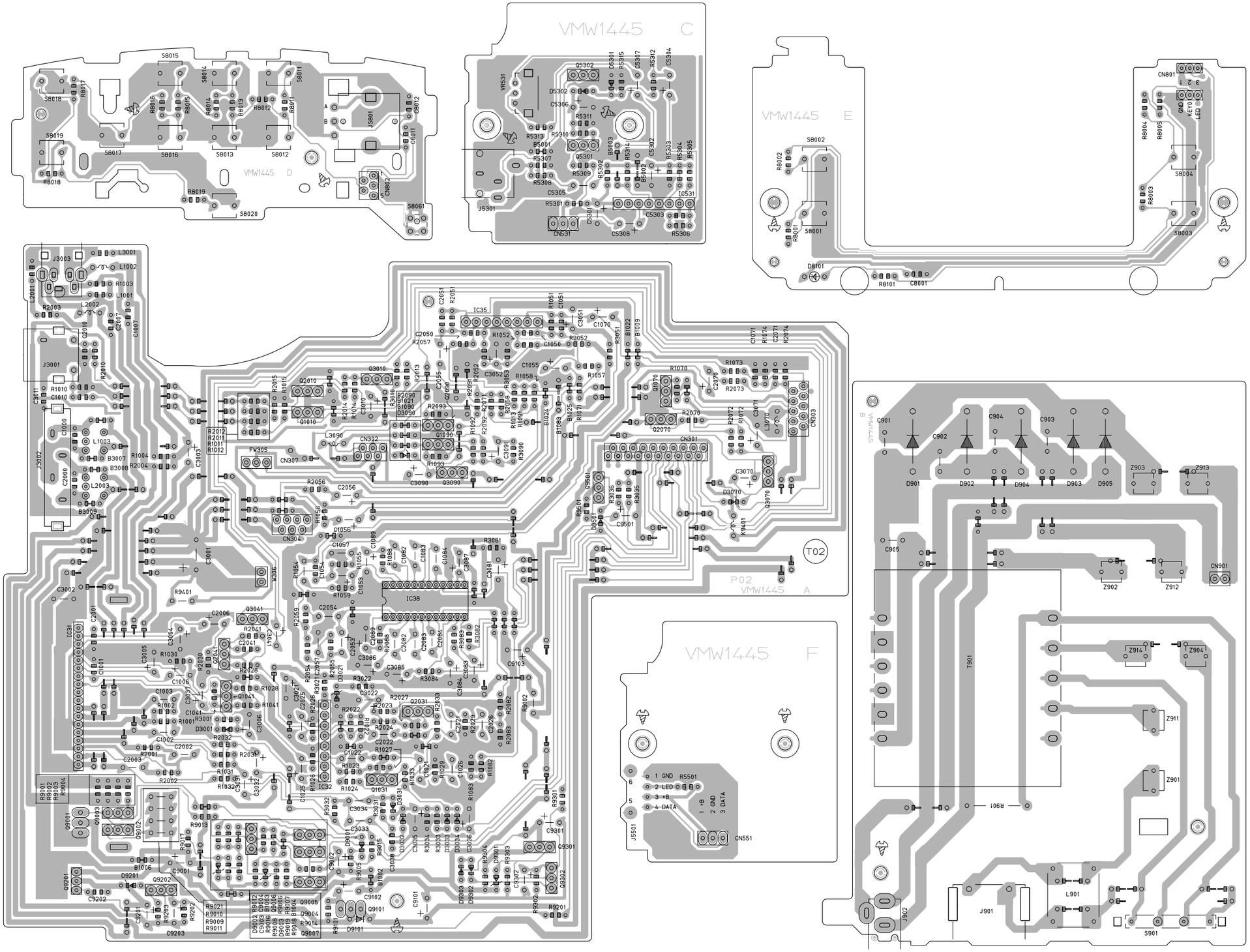
	EE	E/EN/EV/B
R3	120	56
C2	SHORT	0.01
C14	SHORT	0.01
TU1	QAU0036-001	QAU0034-001
CF1	QAX0403-001	QAX0420-001
CF2	QAX0403-001	QAX0421-001
C91	OPEN	0.01
C94	OPEN	0.001
L10	SHORT	QQR0794-001

E/EN/EV/B/EE

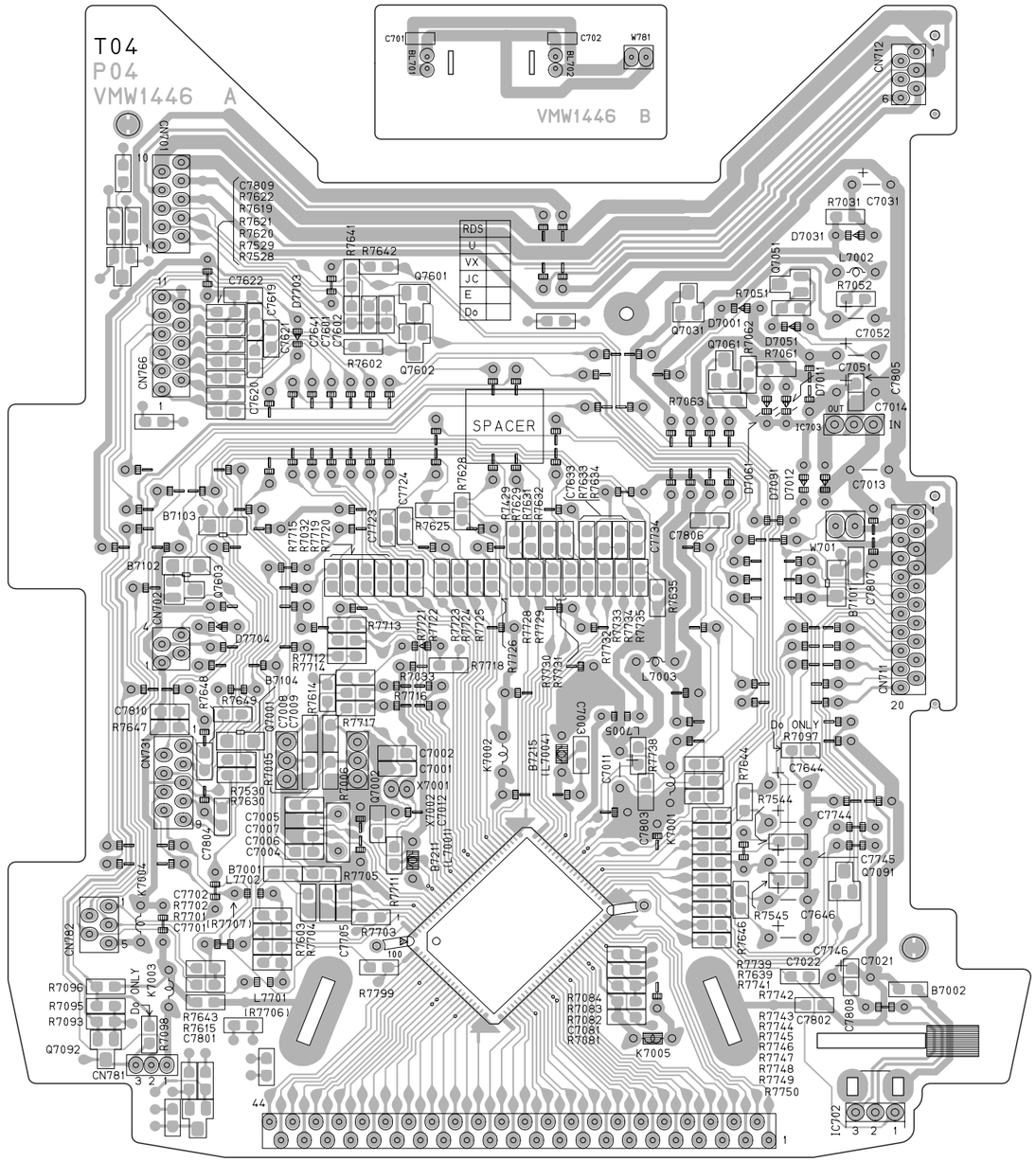
TUNER SIGNAL
FM SIGNAL
AM SIGNAL

Printed circuit boards

■ Main board



■ LCD system & CPU board


T04
P04
VMW1446 A
VMW1446 B
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CN782
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CN702
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IC703
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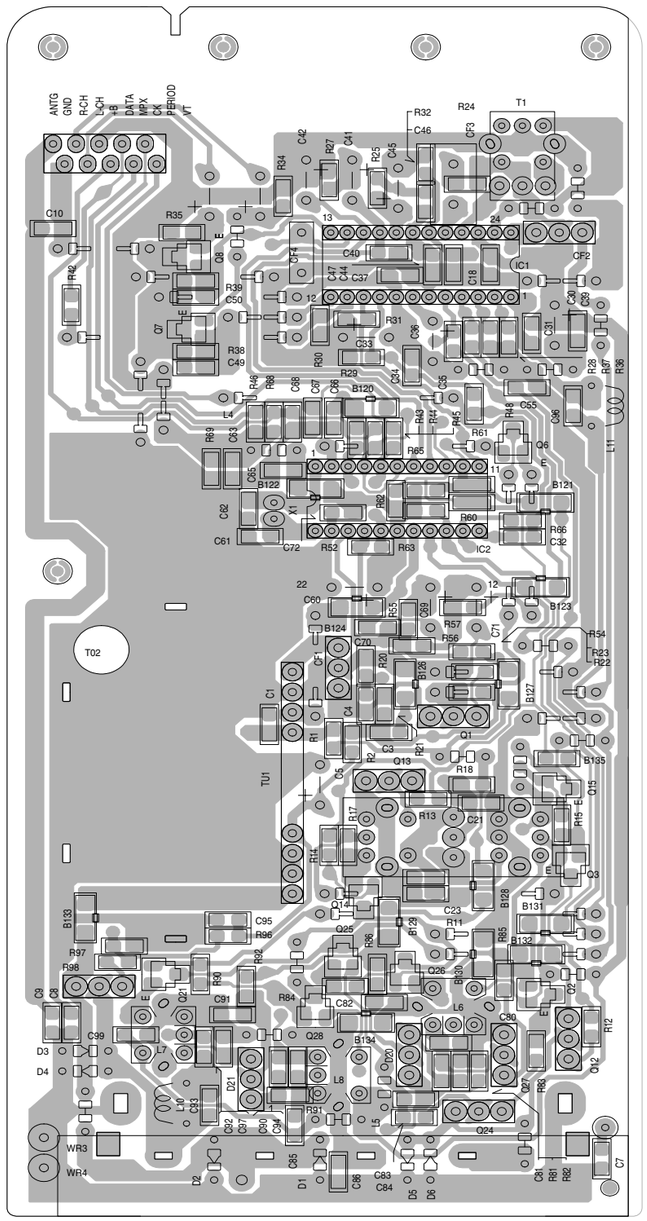
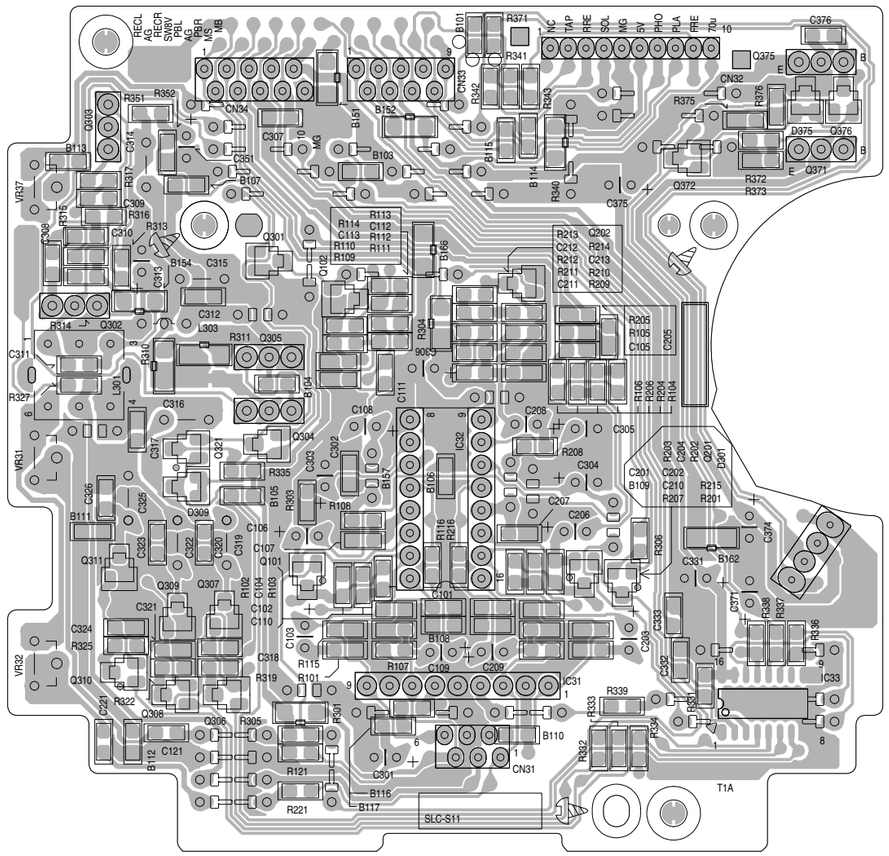
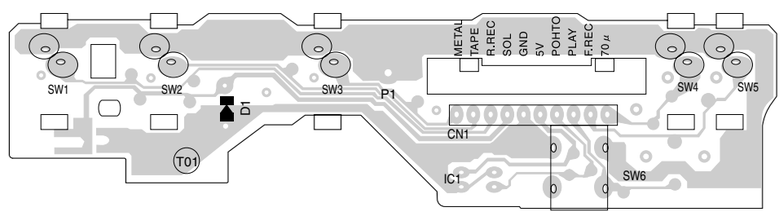
■ Tuner board



■ Head amplifier & Mechanism control board



■ Cassette switch board



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